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OM nucleic - nucleic search, using sw model

Run on: November 20, 2004, 03:23:29 ; Search time 192 Seconds  
(without alignments)  
8373.982 Million cell updates/sec

Title: US-10-067-125-2

Perfect score: 2262

Sequence: 1 gaattccggcgctcgac.....attaaaccattacaattc 2262

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 682300

Minimum DB seq length: 0

Maximum DB seq length: 30

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 50 summaries

Database : Issued Patents NA.\*

- 1: /cgn2\_6/prodata/1/ina/5A COMB.seq.\*
- 2: /cgn2\_6/prodata/1/ina/5B COMB.seq.\*
- 3: /cgn2\_6/prodata/1/ina/6A COMB.seq.\*
- 4: /cgn2\_6/prodata/1/ina/6B COMB.seq.\*
- 5: /cgn2\_6/prodata/1/ina/PCUS COMB.seq.\*
- 6: /cgn2\_6/prodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20.6	0.9	21	4	US-09-657-472-1764
2	20	0.9	20	3	US-09-167-109-47
3	20	0.9	20	3	US-09-167-109-48
4	20	0.9	20	3	US-09-167-109-49
5	20	0.9	20	3	US-09-167-109-50
6	20	0.9	20	3	US-09-167-109-51
7	20	0.9	20	3	US-09-167-109-52
8	20	0.9	20	3	US-09-167-109-53
9	20	0.9	20	3	US-09-167-109-54
10	20	0.9	20	3	US-09-167-109-55
11	20	0.9	20	3	US-09-167-109-56
12	20	0.9	20	3	US-09-167-109-57
13	20	0.9	20	3	US-09-167-109-58
14	20	0.9	20	3	US-09-167-109-59
15	20	0.9	20	3	US-09-167-109-60
16	20	0.9	20	3	US-09-167-109-61
17	20	0.9	20	3	US-09-167-109-62
18	20	0.9	20	3	US-09-167-109-63
19	20	0.9	20	3	US-09-167-109-64
20	20	0.9	20	3	US-09-167-109-65
21	20	0.9	20	3	US-09-167-109-66
22	20	0.9	20	3	US-09-167-109-67
23	20	0.9	20	3	US-09-167-109-68
24	20	0.9	20	3	US-08-959-381A-10
25	19	0.8	30	4	US-09-786-256C-18
26	17.6	0.8	24	4	US-09-480-718-19
27	17.6	0.8	24	4	US-09-480-718-20

C	28	17.6	0.8	24	4	US-09-933-313B-19	Sequence 19, Appl
	29	17.6	0.8	26	1	US-08-453-104-3	Sequence 3, Appli
	30	17.6	0.8	26	2	US-08-694-824-3	Sequence 3, Appli
	31	17.4	0.8	27	1	US-08-696-770-6	Sequence 6, Appli
	32	17.4	0.8	27	2	US-09-015-557-6	Sequence 6, Appli
	33	17.4	0.8	27	4	US-09-254-180C-71	Sequence 116, App
C	34	17.4	0.8	27	4	US-09-254-180C-116	Sequence 71, Appl
C	35	17.4	0.8	28	1	US-08-393-985-27	Sequence 27, Appl
C	36	17.4	0.8	30	1	US-08-435-350-25	Sequence 25, Appl
C	37	17.2	0.8	30	2	US-09-056-226-10	Sequence 10, Appl
C	38	17.2	0.8	30	2	US-08-442-509A-42	Sequence 42, Appl
C	39	17	0.8	26	4	US-09-330-245A-7	Sequence 7, Appli
C	40	17	0.8	27	2	US-08-447-430A-21	Sequence 21, Appl
C	41	17	0.8	27	2	US-08-447-430A-22	Sequence 22, Appl
C	42	17	0.8	27	3	US-08-513-974B-75	Sequence 75, Appl
C	43	17	0.8	27	4	US-09-342-673-21	Sequence 21, Appl
C	44	17	0.8	27	4	US-09-342-673-22	Sequence 22, Appl
C	45	17	0.8	29	3	US-09-045-583-45	Sequence 45, Appl
C	46	17	0.8	29	4	US-09-534-185-45	Sequence 45, Appl
C	47	17	0.8	30	2	US-08-790-963-36	Sequence 36, Appl
C	48	17	0.8	30	3	US-09-371-774-36	Sequence 36, Appl
C	49	16.8	0.7	20	3	US-09-167-109-69	Sequence 69, Appl
C	50	16.8	0.7	21	3	US-09-301-978C-7	Sequence 7, Appli

#### ALIGNMENTS

RESULT 1  
US-09-657-472-1764  
; Sequence 1764, Application US/09657472  
; Patent No. 6727063  
; GENERAL INFORMATION:  
; APPLICANT: Lander, Eric S.  
; APPLICANT: Cargill, Michele  
; APPLICANT: Ireland, James S.  
; APPLICANT: Bolk, Stacey  
; APPLICANT: Daley, George Q.  
; APPLICANT: McCarthy, Jeanette J.  
; TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES  
; FILE REFERENCE: 2825.1027-001  
; CURRENT APPLICATION NUMBER: US/09/657,472  
; CURRENT FILING DATE: 2000-09-07  
; PRIOR APPLICATION NUMBER: US 60/153,357  
; PRIOR FILING DATE: 1999-09-10  
; PRIOR APPLICATION NUMBER: US 60/220,947  
; PRIOR FILING DATE: 2000-07-26  
; PRIOR APPLICATION NUMBER: US 60/225,724  
; PRIOR FILING DATE: 2000-08-16  
; NUMBER OF SEQ ID NOS: 2551  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1764  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-657-472-1764

Query Match 0.9%; Score 20.6; DB 4; Length 21;  
Best Local Similarity 95.2%; Pred. No. 3e+04;  
Matches 20; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 434 GCCGCTGCCGCTCATGCTGA 454  
Db 1 GCCGCTGCCGCTCATGCTGA 21

RESULT 2  
US-09-167-109-47/c  
; Sequence 47, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowse, Lex M.

```

; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 47
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-47

Query Match      0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAATTCGGCGCGCTCGGAC 20
DB 20 GAATTCGGCGCGCTCGGAC 1

RESULT 3
US-09-167-109-48/c
; Sequence 48, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 48
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-48

Query Match      0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGCGCTCGGACCGTTGG 26
DB 20 CGGCGCGCTCGGACCGTTGG 1

RESULT 4
US-09-167-109-49/c
; Sequence 49, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 49
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence

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; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-49

Query Match      0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTACAGCTCTCATGGCTG 61
DB 20 GGTACAGCTCTCATGGCTG 1

RESULT 5
US-09-167-109-50/c
; Sequence 50, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 50
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-50

Query Match      0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71
DB 20 CTCATGGCTGCAGCTAGCGT 1

RESULT 6
US-09-167-109-51/c
; Sequence 51, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 51
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-51

Query Match      0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTCCAGCGCGCAGTGGC 204
DB 20 CCTCCAGCGCGCAGTGGC 1

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; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-54

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 576 CGTGAAGCGCACCCAGG 595
DB 20 CGTGAAGCGCACCCAGG 1

RESULT 10
US-09-167-109-55/c
; Sequence 55, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-55

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 675 GACTTGTGGCAAGTGTGAG 694
DB 20 GACTTGTGGCAAGTGTGAG 1

RESULT 11
US-09-167-109-56/c
; Sequence 56, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-56

; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-52

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 348 GGAGGTGGAGAGCTCCGG 367
DB 20 GGAGGTGGAGAGCTCCGG 1

RESULT 8
US-09-167-109-53/c
; Sequence 53, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 53
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-53

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTGCCACGAGCGCTGC 441
DB 20 GCTGCCACGAGCGCTGC 1

RESULT 9
US-09-167-109-54/c
; Sequence 54, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
```

## US-09-167-109-56

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 751 CAGGACGACGAGTGCAGTG 770  
Db 20 CAGGACGACGAGTGCAGTG 1

## RESULT 12

US-09-167-109-57/c  
; Sequence 57, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsett, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 57  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-57

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 848 GGTCCAGAGCTCTGCAGAGG 867  
Db 20 GGTCCAGAGCTCTGCAGAGG 1

## RESULT 13

US-09-167-109-58/c  
; Sequence 58, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsett, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 58  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-58

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 962 GCAGCCGCGACCGCGCTG 981  
Db 20 GCAGCCGCGACCGCGCTG 1

## RESULT 14

US-09-167-109-59/c  
; Sequence 59, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsett, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 59  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-59

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1240 CTGACGCGCAGCGCACCGG 1259  
Db 20 CTGACGCGCAGCGCACCGG 1

## RESULT 15

US-09-167-109-60/c  
; Sequence 60, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsett, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 60  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-60

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1387 GACGCTTCAGGCCGCGAGT 1406  
Db 20 GACGCTTCAGGCCGCGAGT 1

## RESULT 16

US-09-167-109-61/c  
; Sequence 61, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsett, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321



; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 61  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-61

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1533 GGCCATTGTGGACCTGACAG 1552  
Db 20 GGCCATTGTGGACCTGACAG 1

RESULT 17  
US-09-167-109-62/c  
; Sequence 62, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 62  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-62

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1590 GGAGCCAGGACGCGCG 1609  
Db 20 GGAGCCAGGACGCGCG 1

RESULT 18  
US-09-167-109-63/c  
; Sequence 63, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 63  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-63

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1685 GGTGTGGCCTGCAGCCAAG 1704  
Db 20 GGTGTGGCCTGCAGCCAAG 1

RESULT 19  
US-09-167-109-64/c  
; Sequence 64, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 64  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-64

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1789 GGCTGTGGTCATTGGCCG 1808  
Db 20 GGCTGTGGTCATTGGCCG 1

RESULT 20  
US-09-167-109-65/c  
; Sequence 65, Application US/09167109  
; Patent No. 6399297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 65  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-09-167-109-65

Query Match 0.9%; Score 20; DB 3; Length 20;  
Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1916 CCATGTAGCAGGACACAGT 1935  
Db 20 CCATGTAGCAGGACACAGT 1

RESULT 21  
US-09-167-109-66/c

```
; Sequence 66, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 66
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-66

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1994 GGCTCTCTGCTGCCAGGC 2013
Db 20 GGCTCTCTGCTGCCAGGC 1

RESULT 22
US-09-167-109-67/c
; Sequence 67, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 67
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-67

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2117 CTTGGCCAGGCTGGCTGG 2136
Db 20 CTTGGCCAGGCTGGCTGG 1

RESULT 23
US-09-167-109-68/c
; Sequence 68, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/09/167,109
; CURRENT FILING DATE: 1998-10-06
```

```
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 68
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-167-109-68

Query Match          0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.2e+04;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2221 TCCAGCTCAGGACAGAG 2240
Db 20 TCCAGCTCAGGACAGAG 1

RESULT 24
US-08-959-381A-10/c
; Sequence 10, Application US/08959381A
; Patent No. 6048711
; GENERAL INFORMATION:
; APPLICANT: HINUMA, SHUJI
; APPLICANT: FUKUSUMI, SHOJI
; APPLICANT: KAWAMATA, YUJI
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
; TITLE OF INVENTION: POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,381A
; FILING DATE: 28-OCT-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 286823/1996
; FILING DATE: 29-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: TAK-50003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 848169
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-959-381A-10

Query Match          0.9%; Score 20; DB 3; Length 28;
Best Local Similarity 82.1%; Pred. No. 4.8e+04;
Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 213 CTGCTCTTCTGCTGCCAGCATCTC 240
Db 28 CTGCTACTTCTGCTGCCATCTCTTC 1
```

```
RESULT 25
US-09-786-256C-18/c
; Sequence 18, Application US/09786256C
; Patent No. 6680189
; GENERAL INFORMATION:
; APPLICANT: YOSHIMURA, Koji
; APPLICANT: HIKICHI, Yuichi
; APPLICANT: NISHIMURA, Atsushi
; TITLE OF INVENTION: No. 6680189el Protein and DNA Thereof
; FILE REFERENCE: 2544 USOP
; CURRENT APPLICATION NUMBER: US/09/786,256C
; PRIOR FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: PCT/JP99/04766
; PRIOR FILING DATE: 1999-09-02
; PRIOR APPLICATION NUMBER: JP 10-250115
; PRIOR FILING DATE: 1998-09-03
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 18
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Nucleic Acid Primer
US-09-786-256C-18
Query Match 0.8%; Score 19; DB 4; Length 30;
Best Local Similarity 81.5%; Pred. No. 8.8e+04;
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 703 AGATTCACGCCATCGCTGGCTCGAG 729
Db 27 AGATCCAAAGTCAATGCTTCTCTCGAG 1

RESULT 26
US-09-480-718-19
; Sequence 19, Application US/09480718
; Patent No. 6407062
; GENERAL INFORMATION:
; APPLICANT: Sherr, Charles J
; APPLICANT: Quelle, Dawn E
; APPLICANT: Weber, Jason D.
; APPLICANT: Roussel, Martine F.
; APPLICANT: Frederique, Zindy
; TITLE OF INVENTION: ARF-19, A NOVEL REGULATOR OF THE MAMMALIAN CELL CYCLE
; FILE REFERENCE: 1340-1-023 CIP 1
; CURRENT APPLICATION NUMBER: US/09/480,718
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: 09/129,855
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 19
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arthrobacter sp.
US-09-933-313B-19/c
; Sequence 19, Application US/09933313B
; Patent No. 6514737
; GENERAL INFORMATION:
; APPLICANT: Xu, Shuang-yong
; TITLE OF INVENTION: Method For Cloning And Expression Of Asisi Restriction
; FILE REFERENCE: NEB-189
; CURRENT APPLICATION NUMBER: US/09/933,313B
; CURRENT FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 19
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arthrobacter sp.
US-09-933-313B-19
Query Match 0.8%; Score 17.6; DB 4; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.8e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1028 AGAGGACGATTGGCTCAAGGACC 1051
Db 24 AGAGGGCGTCGGCTCAAGGACC 1

RESULT 27
US-09-480-718-20/c
; Sequence 20, Application US/09480718
; Patent No. 6407062
; GENERAL INFORMATION:
; APPLICANT: Sherr, Charles J
; APPLICANT: Quelle, Dawn E
; APPLICANT: Weber, Jason D.
; APPLICANT: Roussel, Martine F.
; APPLICANT: Frederique, Zindy
; TITLE OF INVENTION: ARF-19, A NOVEL REGULATOR OF THE MAMMALIAN CELL CYCLE
; FILE REFERENCE: 1340-1-023 CIP 1
; CURRENT APPLICATION NUMBER: US/09/480,718
; PRIOR FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: 09/129,855
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 20
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Primer(antisense)
US-09-480-718-20
Query Match 0.8%; Score 17.6; DB 4; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.8e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1978 GCTGCTCCAGGAGAGGGGCTCTCT 2001
Db 24 GCTGCTCCAGGGGAGGGCTTCTCT 1

RESULT 28
US-09-933-313B-19/c
; Sequence 19, Application US/09933313B
; Patent No. 6514737
; GENERAL INFORMATION:
; APPLICANT: Xu, Shuang-yong
; TITLE OF INVENTION: Method For Cloning And Expression Of Asisi Restriction
; FILE REFERENCE: NEB-189
; CURRENT APPLICATION NUMBER: US/09/933,313B
; CURRENT FILING DATE: 2001-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 19
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Arthrobacter sp.
US-09-933-313B-19
Query Match 0.8%; Score 17.6; DB 4; Length 24;
Best Local Similarity 83.3%; Pred. No. 1.8e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1028 AGAGGACGATTGGCTCAAGGACC 1051
Db 24 AGAGGGCGTCGGCTCAAGGACC 1

RESULT 29
US-08-453-104-3
; Sequence 3, Application US/08453104
; Patent No. 5633446
; GENERAL INFORMATION:
; APPLICANT: CORNELISSEN, Marc
; APPLICANT: SOETAERT, Piet
; APPLICANT: STAM, Maïke
; APPLICANT: DOCKX, Jan
; TITLE OF INVENTION: MODIFIED BACILLUS THURINGIENSIS
```

```
; TITLE OF INVENTION: INSECTICIDAL - CRYSTAL PROTEIN GENES AND THEIR EXPRESSION
; TITLE OF INVENTION: IN PLANT CELLS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: George Mason Bldg., Washington & Prince Sts.
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/453,104
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,869
; FILING DATE: 16-DEC-1992
; APPLICATION NUMBER: GB 90401055.0
; FILING DATE: 18-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Rea, Teresa S
; REGISTRATION NUMBER: 30,427
; REFERENCE/DOCKET NUMBER: 010830-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-453-104-3

Query Match 0.8%; Score 17.6; DB 1; Length 26;
Best Local Similarity 66.7%; Pred. No. 1.9e+05;
Matches 16; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 1688 GTCGGCCTGCAGCAGTTCACGTG 1711
|:|||||:|||||:|:|
Db 2 GUCGACCGCAGCCAGCUGGUG 25

RESULT 30
US-08-694-824-3
; Sequence 3, Application US/08694824
; Patent No. 5877306
; GENERAL INFORMATION:
; APPLICANT: CORNELISSEN, Marc
; APPLICANT: SOETAERT, Piet
; APPLICANT: STAM, Maïke
; APPLICANT: DOCKX, Jan
; TITLE OF INVENTION: MODIFIED BACILLUS THURINGIENSIS
; TITLE OF INVENTION: INSECTICIDAL - CRYSTAL PROTEIN GENES AND THEIR EXPRESSION
; TITLE OF INVENTION: IN PLANT CELLS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis
; STREET: George Mason Bldg., Washington & Prince Sts.
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/694,824
; FILING DATE: 09-AUG-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,869
; FILING DATE: 16-DEC-1992
; APPLICATION NUMBER: GB 90401055.0
; FILING DATE: 18-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Rea, Teresa S
; REGISTRATION NUMBER: 30,427
; REFERENCE/DOCKET NUMBER: 010830-032
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-694-824-3

Query Match 0.8%; Score 17.6; DB 2; Length 26;
Best Local Similarity 66.7%; Pred. No. 1.9e+05;
Matches 16; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 1688 GTCGGCCTGCAGCAGTTCACGTG 1711
|:|||||:|||||:|:|
Db 2 GUCGACCGCAGCCAGCUGGUG 25

RESULT 31
US-08-696-770-6
; Sequence 6, Application US/08696770
; Patent No. 5763218
; GENERAL INFORMATION:
; APPLICANT: Fujii, RYO
; APPLICANT: Hinuma, Shuji
; APPLICANT: Li, Yi
; APPLICANT: Ruben, Steven
; APPLICANT: Soppet, Daniel
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-2799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/696,770
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: TAK50001-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-5090
```

TELEX:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
US-08-696-770-6

Query Match 0.8%; Score 17.4; DB 1; Length 27;  
Best Local Similarity 77.8%; Pred. No. 2.1e+05;  
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1522 ATCTTCATCAAGGCCATTGTGGACCTG 1548  
DB 1 ATCTCAACATGGCCATCGGGAACCTG 27

RESULT 32  
US-09-015-557-6  
Sequence 6, Application US/09015557  
Patent No. 5932702  
GENERAL INFORMATION:  
APPLICANT: Fujii, Ryo  
APPLICANT: Hinuma, Shuji  
APPLICANT: Li, Yi  
APPLICANT: Ruben, Steven  
APPLICANT: Soppet, Daniel  
TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation  
STREET: 709 Swedeland Road  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-2799  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/696,770  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Han, William T  
REGISTRATION NUMBER: 34,344  
REFERENCE/DOCKET NUMBER: TAX50001-2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-270-5219  
TELEFAX: 610-270-5090  
TELEX:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 27 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:

US-09-015-557-6

Query Match 0.8%; Score 17.4; DB 2; Length 27;  
Best Local Similarity 77.8%; Pred. No. 2.1e+05;  
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1522 ATCTTCATCAAGGCCATTGTGGACCTG 1548  
DB 1 ATCTCAACATGGCCATCGGGAACCTG 27

RESULT 33  
US-09-254-180C-71  
Sequence 71, Application US/09254180C  
Patent No. 6777540  
GENERAL INFORMATION:  
APPLICANT: OKUMURA, Ko  
APPLICANT: EDA, Yasuyuki  
APPLICANT: MAEDA, Hiroaki  
APPLICANT: USHIO, Yoshitaka  
APPLICANT: HIGUCHI, Hirofumi  
APPLICANT: NAKATA, Motomi  
TITLE OF INVENTION: Humanized Immunoglobulins Specifically Reactive to Fas Ligand or  
FILE REFERENCE: 050006-0055  
CURRENT APPLICATION NUMBER: US/09/254,180C  
CURRENT FILING DATE: 1999-04-15  
PRIOR APPLICATION NUMBER: PCT/JF97/02983  
PRIOR FILING DATE: 1997-08-27  
PRIOR APPLICATION NUMBER: 271546/1996  
PRIOR FILING DATE: 1996-09-20  
PRIOR APPLICATION NUMBER: 231472/1996  
PRIOR FILING DATE: 1996-09-20  
NUMBER OF SEQ ID NOS: 183  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 71  
LENGTH: 27  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: DNA Primer  
US-09-254-180C-71

Query Match 0.8%; Score 17.4; DB 4; Length 27;  
Best Local Similarity 77.8%; Pred. No. 2.1e+05;  
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1179 CATCTTCTCCCGCCAGCTTCTACACCAG 1205  
DB 1 CATCATCTTCCCGCCATCATCACCG 27

RESULT 34  
US-09-254-180C-116/C  
Sequence 116, Application US/09254180C  
Patent No. 6777540  
GENERAL INFORMATION:  
APPLICANT: OKUMURA, Ko  
APPLICANT: EDA, Yasuyuki  
APPLICANT: MAEDA, Hiroaki  
APPLICANT: USHIO, Yoshitaka  
APPLICANT: HIGUCHI, Hirofumi  
APPLICANT: NAKATA, Motomi  
TITLE OF INVENTION: Humanized Immunoglobulins Specifically Reactive to Fas Ligand or  
FILE REFERENCE: 050006-0055  
CURRENT APPLICATION NUMBER: US/09/254,180C  
CURRENT FILING DATE: 1999-04-15  
PRIOR APPLICATION NUMBER: PCT/JF97/02983  
PRIOR FILING DATE: 1997-08-27  
PRIOR APPLICATION NUMBER: 271546/1996  
PRIOR FILING DATE: 1996-09-20  
PRIOR APPLICATION NUMBER: 231472/1996

```

; PRIOR FILING DATE: 1996-09-02
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 116
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA Primer
US-09-254-180C-116

Query Match          0.8%; Score 17.4; DB 4; Length 27;
Best Local Similarity 77.8%; Pred. No. 2.2e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1179 CATCTTCTCCCGAGCTTCTACACGAG 1205
DB 27 CATCACTTCCCGCCCATCATCACGAG 1

RESULT 35
US-08-393-985-27/c
; Sequence 27, Application US/08393985
; Patent No. 5693476
; GENERAL INFORMATION:
; APPLICANT: Scheller, Richard H.
; TITLE OF INVENTION: Methods and Compositions for Modulation
; TITLE OF INVENTION: of Vesicular Release
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,985
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 8600-0152
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: oligonucleotide used for mutant M4
US-08-393-985-27

Query Match          0.8%; Score 17.4; DB 1; Length 28;
Best Local Similarity 77.8%; Pred. No. 2.2e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1180 ATCTTCTCCCGAGCTTCTACACGAG 1206
DB 27 ATCACTTCCCGCCCATCATCACGAG 1

```

```

RESULT 36
US-08-435-350-25
; Sequence 25, Application US/08435350
; Patent No. 5599704
; GENERAL INFORMATION:
; APPLICANT: James D. Thompson
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: METHOD AND REAGENT FOR
; TITLE OF INVENTION: TREATMENT OF BREAST CANCER
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 611 West Sixth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,350
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/936,531
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 197/245
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-435-350-25

```

```

Query Match          0.8%; Score 17.4; DB 1; Length 30;
Best Local Similarity 59.3%; Pred. No. 2.2e+05;
Matches 16; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

```

```

QY 1458 CTGCCCCCTCTTCTGCGCCGCTCTCCAA 1484
DB 2 CUGACCCUGCUGCUGCCCCUGGACAA 28

```

```

RESULT 37
US-09-056-226-10/c
; Sequence 10, Application US/09056226B
; Patent No. 6177614
; GENERAL INFORMATION:
; APPLICANT: Colasanti, Joseph J.
; APPLICANT: Sundaresan, Venkatesan
; TITLE OF INVENTION: Control of Floral Induction in Plants
; TITLE OF INVENTION: and Uses Therefor
; FILE REFERENCE: CSHL94-04A4
; CURRENT APPLICATION NUMBER: US/09/056,226B
; CURRENT FILING DATE: 1998-04-07
; EARLIER APPLICATION NUMBER: US 09/000,640
; EARLIER FILING DATE: 1997-12-30
; EARLIER APPLICATION NUMBER: US 08/804,104
; EARLIER FILING DATE: 1997-02-20
; EARLIER APPLICATION NUMBER: PCT/US96/03466
; EARLIER FILING DATE: 1996-03-15

```

```

; EARLIER APPLICATION NUMBER: US 08/406,186
; EARLIER FILING DATE: 1995-03-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (19)...(19)
; OTHER INFORMATION: 'N' at position 19 represents the insertion site
; OTHER INFORMATION: of the DS2 transposon.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(27)
; OTHER INFORMATION: n = A,T,C or G
; OTHER INFORMATION: n = A,T,C or G
US-09-056-228-10

Query Match      0.8%; Score 17.2; DB 3; Length 27;
Best Local Similarity 82.6%; Pred. No. 2.4e+05;
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY      871 GAGAGCTCGAGAGAGAGCGGC 893
      ||||| ||||| ||||| ||||| |||||
DB      23 GAGANCTCGAGAGAGAGATGCC 1

RESULT 38
US-08-442-809A-42/c
; Sequence 42, Application US/08442809A
; Patent No. 5976873
; GENERAL INFORMATION:
; APPLICANT: Bohinski, Robert J.,
; APPLICANT: Whitsett, Jeffrey A.
; TITLE OF INVENTION: Nucleic Acid Sequences
; TITLE OF INVENTION: Controlling Lung Cell -
; TITLE OF INVENTION: Specific Gene Expression
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan,
; ADDRESSEE: Cecchi, Stewart & Olstein
; STREET: 6 Becker Farm Road
; CITY: Roseland
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,809A
; FILING DATE: 17-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/245,356
; FILING DATE: 18-MAY-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Olstein, Elliot M.
; REGISTRATION NUMBER: 24,025
; REFERENCE/DOCKET NUMBER: 271010-360
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide

US-08-442-809A-42
Query Match      0.8%; Score 17.2; DB 2; Length 30;
Best Local Similarity 73.3%; Pred. No. 2.5e+05;
Matches 22; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      847 GGGTCAGAGCTCTCGAGAGGTGGAGAGC 876
      ||||| ||||| ||||| ||||| |||||
DB      30 GAGTCACACCTGCTGCAGTGGCTCGAGCGC 1

RESULT 39
US-09-330-245A-7/c
; Sequence 7, Application US/09330245A
; Patent No. 6432631
; GENERAL INFORMATION:
; APPLICANT: GILEAD SCIENCES, INC. et al.
; TITLE OF INVENTION: NOVEL GENE ENCODING ORGANIC ANION TRANSPORTER
; FILE REFERENCE: 240.1PCnew
; CURRENT APPLICATION NUMBER: US/09/330,245A
; PRIOR FILING DATE: 1999-06-10
; PRIOR APPLICATION NUMBER: 60/088,864
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/132,267
; PRIOR FILING DATE: 1999-05-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: This information
; OTHER INFORMATION: is not available.
US-09-330-245A-7

Query Match      0.8%; Score 17; DB 4; Length 26;
Best Local Similarity 80.0%; Pred. No. 2.6e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      939 GGTGGCCATGACTGCCGAGCGCTGC 963
      ||||| ||||| ||||| ||||| |||||
DB      25 GGTGAGCATGACTGCCGAGGCTCTAC 1

RESULT 40
US-08-447-430A-21
; Sequence 21, Application US/08447430A
; Patent No. 5916558
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Recombinant polypeptides and peptides,
; TITLE OF INVENTION: nucleic acids coding for the same and use of these
; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of
; TITLE OF INVENTION: tuberculosis.
; NUMBER OF SEQUENCES: 43
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,430A
; FILING DATE:
; CLASSIFICATION: 424
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
```

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; ANTI-SENSE: NO
US-08-447-430A-21
;
; Query Match 0.8%; Score 17; DB 2; Length 27;
; Best Local Similarity 80.0%; Pred. No. 2.7e+05;
; Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1041 CCTCAAGGACCTGGCGATGCTGAC 1065
DB 1 CCTGATCGGCGCTGGCGATGGTGAC 25

RESULT 41
US-08-447-430A-22/c
; Sequence 22, Application US/08447430A
; Patent No. 5916558
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Recombinant polypeptides and peptides,
; TITLE OF INVENTION: nucleic acids coding for the same and use of these
; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of
; TITLE OF INVENTION: tuberculosis.
; NUMBER OF SEQUENCES: 43
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,430A
; FILING DATE:
; CLASSIFICATION: 424
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-447-430A-22

Query Match 0.8%; Score 17; DB 2; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1041 CCTCAAGGACCTGGCGATGCTGAC 1065
DB 27 CCTGATCGGCGCTGGCGATGGTGAC 3

RESULT 42
US-08-513-974B-75
; Sequence 75, Application US/08513974B
; Patent No. 6114139
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Ohtaki, Tetsuya
; APPLICANT: Fukusumi, Shoji
; APPLICANT: Ohgi, Kazuhiro
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JF95/01599
; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1945
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189272
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-513-974B-75

Query Match 0.8%; Score 17; DB 3; Length 27;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 542 GCCGGCATTGCCGGGCACCCCTGCTG 566
DB 1 GCTGGCAGTGGCGGCAACGTGCTG 25

RESULT 43
US-09-342-673-21
; Sequence 21, Application US/09342673
; Patent No. 6531138
; GENERAL INFORMATION:
; APPLICANT:
```



;; TITLE OF INVENTION: Recombinant polypeptides and peptides,  
;; TITLE OF INVENTION: nucleic acids coding for the same and use of these  
;; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of  
;; TITLE OF INVENTION: tuberculosis.  
;; NUMBER OF SEQUENCES: 43  
;; COMPUTER READABLE FORM: disk  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/342,673  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; PRIOR APPLICATION NUMBER: 08/447,430  
;; FILING DATE:  
;; INFORMATION FOR SEQ ID NO: 21:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 27 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; US-09-342-673-21

Query Match 0.8%; Score 17; DB 4; Length 27;  
Best Local Similarity 80.0%; Pred. No. 2.7e+05;  
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1041 CCTCAGGACCTGGCGATGGCTGAC 1065  
DB 1 CCTGATCGGCTGGCGATGGTGAC 25

## RESULT 44

;; Sequence 22, Application US/09342673  
;; Patent No. 6531138  
;; GENERAL INFORMATION:  
;; APPLICANT:  
;; TITLE OF INVENTION: Recombinant polypeptides and peptides,  
;; TITLE OF INVENTION: nucleic acids coding for the same and use of these  
;; TITLE OF INVENTION: polypeptides and peptides in the diagnostic of  
;; TITLE OF INVENTION: tuberculosis.  
;; NUMBER OF SEQUENCES: 43  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/342,673  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/447,430  
;; FILING DATE:  
;; INFORMATION FOR SEQ ID NO: 22:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 27 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: NO  
;; US-09-342-673-22

Query Match 0.8%; Score 17; DB 4; Length 27;  
Best Local Similarity 80.0%; Pred. No. 2.7e+05;

Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
QY 1041 CCTCAGGACCTGGCGATGGCTGAC 1065  
DB 27 CCTGATCGGCTGGCGATGGGTGAC 3

## RESULT 45

;; US-09-045-583-45  
;; Sequence 45, Application US/09045583  
;; Patent No. 6287805  
;; GENERAL INFORMATION:  
;; APPLICANT: Graham, Gerard J. et al.  
;; TITLE OF INVENTION: No. 6287805el Molecules of the G Protein-Coupled  
;; NUMBER OF SEQUENCES: 56  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
;; STREET: 28 State Street  
;; CITY: Boston  
;; STATE: Massachusetts  
;; COUNTRY: USA  
;; ZIP: 02109  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.25  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/045,583  
;; FILING DATE: 20-MAR-98  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER:  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Mandragoukas, Amy E.  
;; REGISTRATION NUMBER: 36,207  
;; REFERENCE/DOCKET NUMBER: MXI-044  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617)742-7400  
;; TELEFAX: (617)742-4214  
;; INFORMATION FOR SEQ ID NO: 45:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 29 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: CDNA  
;; US-09-045-583-45

Query Match 0.8%; Score 17; DB 3; Length 29;  
Best Local Similarity 80.0%; Pred. No. 2.7e+05;  
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1040 GCCTCAGGACCTGGCGATGGCTGA 1064  
DB 3 GCCTCAGGTACCTGGCGATCGTTCA 27

## RESULT 46

;; US-09-534-185-45  
;; Sequence 45, Application US/09534185  
;; Patent No. 6403767  
;; GENERAL INFORMATION:  
;; APPLICANT: Graham, Gerard J. et al.  
;; TITLE OF INVENTION: No. 6403767el Molecules of the G Protein-Coupled  
;; Heptahelical Receptor Superfamily and Uses  
;; Therefor  
;; NUMBER OF SEQUENCES: 56  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: LAHIVE & COCKFIELD, LLP  
;; STREET: 28 State Street  
;; CITY: Boston

STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/534,185  
FILING DATE: 24-Mar-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/045,583  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Mandragouras, Amy E.  
REGISTRATION NUMBER: 36,207  
REFERENCE/DOCKET NUMBER: MNI-044  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617)227-7400  
FAX: (617)742-4214  
INFORMATION FOR SEQ ID NO: 45:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 29 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
SEQUENCE DESCRIPTION: SEQ ID NO: 45:  
US-09-534-185-45

```
Query Match      0.8%; Score 17; DB 4; Length 29;
Best Local Similarity 80.0%; Pred. No. 2.7e+05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

**Qy** 1040 GCCTCAAGGACCTGGCGATGGCTGA 1064  
| | | | |  
**Dβ** 3 GCCTCAGGTACCTGGCGATCGTTCA 27

```

RESULT 47
US-08-790-963-36/c
; Sequence 36, Application US/08790963
; Patent No. 5837464
; GENERAL INFORMATION:
; APPLICANT: Daniel J. Capon
; APPLICANT: Christos John Petropoulos
; TITLE OF INVENTION: Compositions And Methods For
; TITLE OF INVENTION: Determining Anti-viral Drug Susceptibility And
; TITLE OF INVENTION: Resistance
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; Zip: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/790,963
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCES/DOCKET NUMBER: 50130-B/JPW/AKC
; TELECOMMUNICATION INFORMATION:

```

```

; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0526
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-790-963-36

Query Match 0.8%; Score 17; DB 2; Length 30;
Best Local Similarity 80.0%; Pred. NO. 2.8e-05;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 51 TCTCATGGCTGCAGCTAGCGTGACC 75
   | | | | | | | | | | | | | |
Db 25 TATCATGTCCTGGAGCTAGCGTTAAC 1

RESULT 48
US-09-371-774-36/c
; Sequence 36, Application US/09371774
; Patent No. 6242187
; GENERAL INFORMATION:
; APPLICANT: Daniel J. Capon
; Christos John Petropoulos
; TITLE OF INVENTION: Compositions And Methods For
; Determining Anti-viral Drug Susceptibility And
; Resistance And Anti-viral Drug Screening
; NUMBER OF SEQUENCES: 105
; CORRESPONDENCE ADDRESS:

```

Query Match	0.8%;	Score 17;	DB 3;	Length 30;
Best Local Similarity	80.0%;	Pred. No. 2.8e+05;		
Matches	20:	Conservative	0:	Mismatches 5; Indels 0: Gaps 0;

QY 51 TC TCATGGCTGCAGCTAGCGTGACC 75  
DP 25 TATCATGTCTGGAGCTAGCGTTAAC 1

RESULT 49

US-09-167-109-69/c  
; Sequence 69, Application US/09167109  
; Patent No. 639297  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/09/167,109  
; CURRENT FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 69  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: control sequence  
US-09-167-109-69

Query Match 0.7%; Score 16.8; DB 3; Length 20;  
Best Local Similarity 90.0%; Pred. No. 2.7e+05;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 576 CGTGAAGCGCCACACGAGG 595  
DB 20 CGTGAAGCGCCACACGAGG 1

RESULT 50

US-09-301-978C-7/c  
; Sequence 7, Application US/09301978C  
; Patent No. 6392015  
; GENERAL INFORMATION:  
; APPLICANT: Pangariban, Antonito  
; APPLICANT: Callahan, Mark A.  
; TITLE OF INVENTION: Method of Identifying Modulators of HIV-1 VPU and GAG  
; TITLE OF INVENTION: Interaction with U Binding Protein (UBP)  
; FILE REFERENCE: 960296.95335  
; CURRENT APPLICATION NUMBER: US/09/301,978C  
; CURRENT FILING DATE: 1999-04-29  
; PRIOR APPLICATION NUMBER: 60/083,567  
; PRIOR FILING DATE: 1998-04-30  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 7  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide  
; OTHER INFORMATION: Primer  
US-09-301-978C-7

Query Match 0.7%; Score 16.8; DB 3; Length 21;  
Best Local Similarity 90.0%; Pred. No. 2.7e+05;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2030 CTTGGTTCTCCCTCTGGCC 2049  
DB 20 CTTGGTTCTCTCATCTGGCC 1

Search completed: November 20, 2004, 09:22:31  
Job time : 193 secs

**This Page Blank (uspto)**

GenCore version 5.1.1.6  
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OM nucleic - nucleic search, using sw model

Run on: November 20, 2004, 04:29:03 ; Search time 1125 Seconds  
(without alignments)  
10864.885 Million cell updates/sec

Title: US-10-067-125-2  
Perfect score: 2262  
Sequence: 1 gaattccggcgctgcgac.....attaaccattacaattctc 2262

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3627888 seqs, 2701811610 residues

Total number of hits satisfying chosen parameters: 1535986

Minimum DB seq length: 0  
Maximum DB seq length: 30

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 50 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq.\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10D\_PUBCOMB.seq.\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10E\_PUBCOMB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US11\_NEW\_PUB.seq.\*
- 20: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
- 21: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
C 1	24	1.1	24	16	US-10-409-107A-16
C 2	22.6	1.0	30	17	US-10-694-520-7
C 3	22	1.0	22	16	US-10-409-107A-15
C 4	20	0.9	20	14	US-10-067-125-47
C 5	20	0.9	20	14	US-10-067-125-48
C 6	20	0.9	20	14	US-10-067-125-49
C 7	20	0.9	20	14	US-10-067-125-50
C 8	20	0.9	20	14	US-10-067-125-51
C 9	20	0.9	20	14	US-10-067-125-52
C 10	20	0.9	20	14	US-10-067-125-53
C 11	20	0.9	20	14	US-10-067-125-54
C 12	20	0.9	20	14	US-10-067-125-55

C 13	20	0.9	20	14	US-10-067-125-56	Sequence 56, Appl
C 14	20	0.9	20	14	US-10-067-125-57	Sequence 57, Appl
C 15	20	0.9	20	14	US-10-067-125-58	Sequence 58, Appl
C 16	20	0.9	20	14	US-10-067-125-59	Sequence 59, Appl
C 17	20	0.9	20	14	US-10-067-125-60	Sequence 60, Appl
C 18	20	0.9	20	14	US-10-067-125-61	Sequence 61, Appl
C 19	20	0.9	20	14	US-10-067-125-62	Sequence 62, Appl
C 20	20	0.9	20	14	US-10-067-125-63	Sequence 63, Appl
C 21	20	0.9	20	14	US-10-067-125-64	Sequence 64, Appl
C 22	20	0.9	20	14	US-10-067-125-65	Sequence 65, Appl
C 23	20	0.9	20	14	US-10-067-125-66	Sequence 66, Appl
C 24	20	0.9	20	14	US-10-067-125-67	Sequence 67, Appl
C 25	20	0.9	20	14	US-10-067-125-68	Sequence 68, Appl
C 26	19	0.8	30	17	US-10-726-148A-18	Sequence 18, Appl
C 27	18.6	0.8	29	9	US-09-950-335A-4	Sequence 4, Appl
C 28	18.6	0.8	30	16	US-10-380-584-67	Sequence 67, Appl
C 29	18.4	0.8	25	15	US-10-098-263B-67634	Sequence 67634, A
C 30	18.4	0.8	30	13	US-10-081-281-18	Sequence 18, Appl
C 31	18.2	0.8	25	15	US-10-098-263B-42324	Sequence 42324, A
C 32	17.8	0.8	29	9	US-09-879-813-7	Sequence 7, Appl
C 33	17.8	0.8	29	10	US-09-828-717-7	Sequence 7, Appl
C 34	17.8	0.8	29	15	US-10-146-505-7	Sequence 7, Appl
C 35	17.8	0.8	30	14	US-10-157-382-4	Sequence 4, Appl
C 36	17.6	0.8	25	15	US-10-098-263B-48292	Sequence 48292, A
C 37	17.6	0.8	25	15	US-10-098-263B-130463	Sequence 130463, A
C 38	17.6	0.8	25	15	US-10-098-263B-130464	Sequence 130464, A
C 39	17.4	0.8	29	16	US-10-262-839-342	Sequence 342, App
C 40	17.4	0.8	30	13	US-10-081-281-22	Sequence 12, Appl
C 41	17.4	0.8	30	16	US-10-343-810-12	Sequence 12, Appl
C 42	17.2	0.8	23	15	US-10-244-647-1317	Sequence 1317, Ap
C 43	17.2	0.8	25	15	US-10-098-263B-80858	Sequence 80858, A
C 44	17.2	0.8	25	17	US-10-717-597-2427	Sequence 2427, Ap
C 45	17.2	0.8	30	9	US-09-320-337-42	Sequence 42, Appl
C 46	17	0.8	25	14	US-10-215-113-4531	Sequence 4521, Ap
C 47	17	0.8	25	15	US-10-098-263B-8292	Sequence 8292, Ap
C 48	17	0.8	25	15	US-10-098-263B-32545	Sequence 32545, A
C 49	17	0.8	25	15	US-10-098-263B-50938	Sequence 50938, A
C 50	17	0.8	25	15	US-10-098-263B-54431	Sequence 54431, A

ALIGNMENTS

RESULT 1  
US-10-409-107A-16/c  
; Sequence 16, Application US/10409107A  
; Publication No. US20040053288A1  
; GENERAL INFORMATION:  
; APPLICANT: YANAI, Yoshiaki  
; APPLICANT: YAMAMOTO, Shigeto  
; APPLICANT: YAMAMOTO, Kozo  
; APPLICANT: IKEGAMI, Hakuo  
; TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis  
; TITLE OF INVENTION: factor  
; FILE REFERENCE: YANAI=3  
; CURRENT APPLICATION NUMBER: US/10/409,107A  
; CURRENT FILING DATE: 2003-04-19  
; PRIOR APPLICATION NUMBER: JP 107126/2002  
; PRIOR FILING DATE: 2002-04-09  
; NUMBER OF SEQ ID NOS: 100  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 16  
; LENGTH: 24  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide used as primer for PCR detection of TRAF2 mRNA  
US-10-409-107A-16

Query Match 1.1%; Score 24; DB 16; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.1e+04;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1223 TGTGCTGGCTATCTACTGTAACG 1246  
 |||||  
 Db 24 TGTGCTGGCTATCTACTGTAACG 1

RESULT 2  
 US-10-694-520-7  
 ; Sequence 7, Application US/10694520  
 ; Publication No. US20040170614A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: University of Iowa Research Foundation  
 ; APPLICANT: Bishop, G.  
 ; APPLICANT: Hostager, B. S.  
 ; TITLE OF INVENTION: Somatic cell gene targeting vectors and methods of use thereof  
 ; FILE REFERENCE: 875.061US1  
 ; CURRENT APPLICATION NUMBER: US/10/694,520  
 ; CURRENT FILING DATE: 2003-10-27  
 ; PRIOR APPLICATION NUMBER: US 60/422,674  
 ; PRIOR FILING DATE: 2002-10-30  
 ; NUMBER OF SEQ ID NOS: 11  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 7  
 ; LENGTH: 30  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: A synthetic primer.  
 US-10-694-520-7

Query Match 1.0%; Score 22.6; DB 17; Length 30;  
 Best Local Similarity 86.2%; Pred. No. 3e+04;  
 Matches 25; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 244 TCTGGGCTCAGAACTGTGCTGCTGTGT 272  
 |||||  
 Db 1 TTTGGTACCCAGAACTGTGCTGCTGTGT 29

RESULT 3  
 US-10-409-107A-15  
 ; Sequence 15, Application US/10409107A  
 ; Publication No. US20040053288A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: YANAI Yoshiaki  
 ; APPLICANT: YAMAMOTO, Shigeto  
 ; APPLICANT: YAMAMOTO, Kozo  
 ; APPLICANT: IREGAMI, Hakuo  
 ; TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis  
 ; TITLE OF INVENTION: factor  
 ; FILE REFERENCE: YANAI=3  
 ; CURRENT APPLICATION NUMBER: US/10/409,107A  
 ; CURRENT FILING DATE: 2003-04-19  
 ; PRIOR APPLICATION NUMBER: JP 107126/2002  
 ; PRIOR FILING DATE: 2002-04-09  
 ; NUMBER OF SEQ ID NOS: 100  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO 15  
 ; LENGTH: 22  
 ; TYPE: DNA  
 ; ORGANISM: Artificial  
 ; FEATURE:  
 ; OTHER INFORMATION: Oligonucleotide used as primer for PCR detection of TRAF2 mRNA  
 US-10-409-107A-15

Query Match 1.0%; Score 22; DB 16; Length 22;  
 Best Local Similarity 100.0%; Pred. No. 4.2e+04;  
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 904 AACATTGCTCGGTCCTGAACC 925  
 |||||  
 Db 1 AACATTGCTCGGTCCTGAACC 22

RESULT 4  
 US-10-067-125-47/c  
 ; Sequence 47, Application US/10067125  
 ; Publication No. US20030055015A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Brenda F.  
 ; APPLICANT: Cowsert, Lex M.  
 ; APPLICANT: Monia, Brett P.  
 ; APPLICANT: Xu, Xiaoxing S.  
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
 ; FILE REFERENCE: ISPH-0321  
 ; CURRENT APPLICATION NUMBER: US/10/067,125  
 ; CURRENT FILING DATE: 2002-02-04  
 ; PRIOR APPLICATION NUMBER: 09/167,109  
 ; PRIOR FILING DATE: 1998-10-06  
 ; NUMBER OF SEQ ID NOS: 228  
 ; SEQ ID NO 47  
 ; LENGTH: 20  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: antisense sequence  
 US-10-067-125-47

Query Match 0.9%; Score 20; DB 14; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAATTCGGCGCGCTGCGAC 20  
 |||||  
 Db 20 GAATTCGGCGCGCTGCGAC 1

RESULT 5  
 US-10-067-125-48/c  
 ; Sequence 48, Application US/10067125  
 ; Publication No. US20030055015A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Brenda F.  
 ; APPLICANT: Cowsert, Lex M.  
 ; APPLICANT: Monia, Brett P.  
 ; APPLICANT: Xu, Xiaoxing S.  
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
 ; FILE REFERENCE: ISPH-0321  
 ; CURRENT APPLICATION NUMBER: US/10/067,125  
 ; CURRENT FILING DATE: 2002-02-04  
 ; PRIOR APPLICATION NUMBER: 09/167,109  
 ; PRIOR FILING DATE: 1998-10-06  
 ; NUMBER OF SEQ ID NOS: 228  
 ; SEQ ID NO 48  
 ; LENGTH: 20  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: antisense sequence  
 US-10-067-125-48

Query Match 0.9%; Score 20; DB 14; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGCGCTGCGACCGTTGG 26  
 |||||  
 Db 20 CGGCGCGCTGCGACCGTTGG 1

RESULT 6  
 US-10-067-125-49/c  
 ; Sequence 49, Application US/10067125  
 ; Publication No. US20030055015A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Brenda F.  
 ; APPLICANT: Cowsert, Lex M.

; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 49  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-49

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTCACAGCTCCTCAGCGCTG 61  
|||||  
Db 20 GGTCACAGCTCCTCAGCGCTG 1

RESULT 7  
US-10-067-125-50/c  
; Sequence 50, Application US/10067125  
; Publication No. US20030055015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 50  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-50

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71  
|||||  
Db 20 CTCATGGCTGCAGCTAGCGT 1

RESULT 8  
US-10-067-125-51/c  
; Sequence 51, Application US/10067125  
; Publication No. US20030055015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109

; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 51  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-51

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTTCCAGGCGCAGTGTGGC 204  
|||||  
Db 20 CCTTCCAGGCGCAGTGTGGC 1

RESULT 9  
US-10-067-125-52/c  
; Sequence 52, Application US/10067125  
; Publication No. US20030055015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 52  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-52

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 348 GGAGGTGAGAGCGCTGCCGG 367  
|||||  
Db 20 GGAGGTGAGAGCGCTGCCGG 1

RESULT 10  
US-10-067-125-53/c  
; Sequence 53, Application US/10067125  
; Publication No. US20030055015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowser, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 53  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:

OTHER INFORMATION: antisense sequence  
US-10-067-125-53

OTHER INFORMATION  
US-10-067-125-53

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels

422 GCTGCCACGAAGCGCTGC 441

db 20 GCTGCCACGAAGGCCGCTGC 1

## RESULT 11

```

US-10-067-125-54/c
; Sequence 54, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Moniz, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228

```

OTHER INFORMATION: antitense sequence  
US-10-067-125-54

```
Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels
```

576 CGTGAAGGCGCACCGAGG 595

db 20 CGTGAAGCGCACCAAGG 1

## RESULT 12

```

US-10-067-125-55/c
; Sequence 55, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowser, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228

```

US-10-067-125-55

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels

Qy 675 GACTTGTGGCAAGTGTCTGAG 694  
|||  
pb 20 GACTTGTGGCAAGTGTCTGAG 1

RESULT 13

```

US-10-067-125-56/c
; Sequence 56, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-56

```

Query Match

Query Match	0.9%;	Score 20;	DB 14;	Length 20;
Best Local Similarity	100.0%;	Pred. No. 1.5e+05;		
Matches 20: Conservative	0;	Mismatches 0;	Indels 0;	Gaps 0;

751 CAGGAGCACGAGGTGCAGTG 770

20 CAGGAGCACGAGGTGCAGTG 1

RESIST 14

```

US-10-067-125-57/c
; Sequence 57, Application US/10067125
; Publication NO. US20030055015A1
;
; GENERAL INFORMATION:
;
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsett, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
;
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
;
; FILE REFERENCE: ISPH-0311
;
; CURRENT APPLICATION NUMBER: US/10/067,125
;
; CURRENT FILING DATE: 2002-02-04
;
; PRIOR APPLICATION NUMBER: 09/167,109
;
; PRIOR FILING DATE: 1998-10-06
;
; NUMBER OF SEQ ID NOS: 228
;
; SEQ ID NO 57
;
; LENGTH: 20
;
; TYPE: DNA
;
; ORGANISM: Artificial Sequence
;
; FEATURE:
;
; OTHER INFORMATION: antisense sequence
;
; US-10-067-125-57

```

### Query Match

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

848 GGTCAGAGCTCCTGCAGAGG 867

D<sub>b</sub> 20 GGTCAGAGGCTCCTGCAGAGG 1

## RESULT 15

US-10-067-125-58/c



```
; Sequence 58, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 58
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-58

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 962 GCAGCGCGGACGACCGGCTG 981
Db 20 GCAGCGCGGACGACCGGCTG 1

RESULT 16
US-10-067-125-59/c
; Sequence 59, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 59
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-59

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1240 CTGACGCGGACGCGGACCGG 1259
Db 20 CTGACGCGGACGCGGACCGG 1

RESULT 17
US-10-067-125-60/c
; Sequence 60, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
```

```
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-60

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1387 GACGCCTTCAGGCCGCGGCTG 1406
Db 20 GACGCCTTCAGGCCGCGGCTG 1

RESULT 18
US-10-067-125-61/c
; Sequence 61, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 61
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-61

Query Match          0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1533 GGCCTTTGGACCTGACGAG 1552
Db 20 GGCCTTTGGACCTGACGAG 1

RESULT 19
US-10-067-125-62/c
; Sequence 62, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; PRIOR FILING DATE: 2002-02-04
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
```

```
; SEQ ID NO 62
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-62

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1590 GGCAGCCAGGCACAGCCGCGC 1609
Db 20 GGCAGCCAGGCACAGCCGCGC 1

RESULT 20
US-10-067-125-63/c
; Sequence 63, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 63
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-63

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1685 GGTGTCGGCTGCAGCCAG 1704
Db 20 GGTGTCGGCTGCAGCCAG 1

RESULT 21
US-10-067-125-64/c
; Sequence 64, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 64
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-64
```

```
Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1789 GGCTGTGCTGGCATTTGCCG 1808
Db 20 GGCTGTGCTGGCATTTGCCG 1

RESULT 22
US-10-067-125-65/c
; Sequence 65, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 65
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-65

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1916 CCATGTAGCAGGACACAGT 1935
Db 20 CCATGTAGCAGGACACAGT 1

RESULT 23
US-10-067-125-66/c
; Sequence 66, Application US/10067125
; Publication No. US20030055015A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda F.
; APPLICANT: Cowsert, Lex M.
; APPLICANT: Monia, Brett P.
; APPLICANT: Xu, Xiaoxing S.
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
; FILE REFERENCE: ISPH-0321
; CURRENT APPLICATION NUMBER: US/10/067,125
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: 09/167,109
; PRIOR FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 66
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-10-067-125-66

Query Match      0.9%; Score 20; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1994 GGCTCTCTGCTGGCCAGGC 2013
Db 20 GGCTCTCTGCTGGCCAGGC 2013
```

Db 20 GGCTCTCTGCTGCCAGAGC 1

## RESULT 24

US-10-067-125-67/c  
; Sequence 67, Application US/10067125  
; Publication No. US20030055015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsert, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 67  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-67

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05; Indels 0; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2117 CTGGCCAGCTGGCTGTGG 2136

Db 20 CTGGCCAGCTGGCTGTGG 1

## RESULT 25

US-10-067-125-68/c  
; Sequence 68, Application US/10067125  
; Publication No. US20030055015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Brenda F.  
; APPLICANT: Cowsert, Lex M.  
; APPLICANT: Monia, Brett P.  
; APPLICANT: Xu, Xiaoxing S.  
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION  
; FILE REFERENCE: ISPH-0321  
; CURRENT APPLICATION NUMBER: US/10/067,125  
; CURRENT FILING DATE: 2002-02-04  
; PRIOR APPLICATION NUMBER: 09/167,109  
; PRIOR FILING DATE: 1998-10-06  
; NUMBER OF SEQ ID NOS: 228  
; SEQ ID NO 68  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: antisense sequence  
US-10-067-125-68

Query Match 0.9%; Score 20; DB 14; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+05; Indels 0; Gaps 0;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2221 TCCAGTCTCAGAGACAGAG 2240

Db 20 TCCAGTCTCAGAGACAGAG 1

## RESULT 26

US-10-726-148A-18/c  
; Sequence 18, Application US/10726148A  
; Publication No. US20040132157A1

; GENERAL INFORMATION:  
; APPLICANT: YOSHIMURA, Koji  
; APPLICANT: HIKICHI, Yulichi  
; APPLICANT: NISHIMURA, Atsushi  
; TITLE OF INVENTION: Novel Protein and DNA Thereof  
; FILE REFERENCE: PF613TD1  
; CURRENT APPLICATION NUMBER: US/10/726,148A  
; CURRENT FILING DATE: 2003-12-02  
; PRIOR APPLICATION NUMBER: US 09/786,256  
; PRIOR FILING DATE: 2001-03-02  
; PRIOR APPLICATION NUMBER: PCT/JP99/04766  
; PRIOR FILING DATE: 1999-09-02  
; PRIOR APPLICATION NUMBER: JP 10-250115  
; PRIOR FILING DATE: 1998-09-03  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 18  
; LENGTH: 30  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Nucleic Acid Primer  
US-10-726-148A-18

Query Match 0.8%; Score 19; DB 17; Length 30;  
Best Local Similarity 81.5%; Pred. No. 3.2e+05; Indels 0; Gaps 0;  
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 703 AGATTCCACGCCATCGCTGCTCGAG 729

Db 27 AGATTCCAAAGTCAATGGCTTCTCTCGAG 1

## RESULT 27

US-09-950-335A-4/c  
; Sequence 4, Application US/09950335A  
; Publication No. US20020193330A1  
; GENERAL INFORMATION:  
; APPLICANT: HONE, DAVID M.  
; TITLE OF INVENTION: GENETICALLY ENGINEERED CO-EXPRESSION DNA VACCINES, CONSTRUCTION M  
; FILE REFERENCE: 4115-128  
; CURRENT APPLICATION NUMBER: US/09/950,335A  
; CURRENT FILING DATE: 2001-09-10  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 29  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic construct  
US-09-950-335A-4

Query Match 0.8%; Score 18.6; DB 9; Length 29;  
Best Local Similarity 84.0%; Pred. No. 4.1e+05; Indels 0; Gaps 0;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1440 CATGAACATCGCAAGCGGCTGCCCC 1464

Db 25 CAAGATCATGTGAAGCGGCGGCCCC 1

## RESULT 28

US-10-380-584-67  
; Sequence 67, Application US/10380584  
; Publication No. US20040014089A1  
; GENERAL INFORMATION:  
; APPLICANT: Utermohlen, Joseph  
; APPLICANT: Connaughton, John  
; TITLE OF INVENTION: Oligonucleotide Sequence Formula for Labeling Oligonucleotide Pro  
; FILE REFERENCE: 355/001/PCT

```
; CURRENT APPLICATION NUMBER: US/10/380,584
; CURRENT FILING DATE: 2003-03-14
; PRIOR APPLICATION NUMBER: 60/233,177
; PRIOR FILING DATE: 2000-09-15
; NUMBER OF SEQ ID NOS: 126
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 67
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide probe
US-10-380-584-67

Query Match          0.8%; Score 18.6; DB 16; Length 30;
Best Local Similarity 84.0%; Pred. No. 4.1e+05;
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1836 GCTGCCCTTCTCTCTCTCTCTGTCAGTG 1860
Db 6 GCTGCTCTTCTCTCTCTCTCTCTG 30

RESULT 29
US-10-098-263B-67634
; Sequence 67634, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 67634
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-67634

Query Match          0.8%; Score 18.4; DB 15; Length 25;
Best Local Similarity 95.0%; Pred. No. 4.5e+05;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 747 ACAGCAGGAGCAGCAGGTGC 766
Db 5 ACAGCAGGAGCAGCGGTGC 24

RESULT 30
US-10-081-281-18
; Sequence 18, Application US/10081281
; Publication No. US20020151707A1
; GENERAL INFORMATION:
; APPLICANT: Kindsvogel, Wayne
; Gross, Jane A.
; Sheppard, Paul
; TITLE OF INVENTION: Immune Mediators and Related Methods
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```

```
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/081,281
; FILING DATE: 20-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/261,811A
; FILING DATE: 03-Mar-1999
; APPLICATION NUMBER: US 08/480,002
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/482,133
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/483,241
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 60/005,964
; FILING DATE: 27-OCT-1995
; APPLICATION NUMBER: US 08/657,581
; FILING DATE: 07-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 014058-005630US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-10-081-281-18

Query Match          0.8%; Score 18.4; DB 13; Length 30;
Best Local Similarity 78.6%; Pred. No. 4.7e+05;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 328 CCAGATAATGTCGCCCGCAGGAGGTGG 355
Db 2 CCACCTGATCCACCCCGCAGGAGGTGG 29

RESULT 31
US-10-098-263B-42324/c
; Sequence 42324, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 42324
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-42324

Query Match          0.8%; Score 18.2; DB 15; Length 25;
Best Local Similarity 87.0%; Pred. No. 5.2e+05;
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1638 GGTCTCACTGTACAAAGTGGCAG 1660
Db 24 GGTCTCACTGTAGAAGTCGGGAG 2
```

```
RESULT 32
US-09-879-813-7
; Sequence 7, Application US/09879813
; Patent No. US20020155453A1
; GENERAL INFORMATION:
; APPLICANT: Sale, Julian E.
; APPLICANT: Neuberger, Michael S.
; APPLICANT: Cumbers, Sarah J.
; TITLE OF INVENTION: Method of Generating Diversity
; FILE REFERENCE: 18396/2005
; CURRENT APPLICATION NUMBER: US/09/879,813
; CURRENT FILING DATE: 2001-06-11
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 09/828,717
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: PCT/GB99/03358
; PRIOR FILING DATE: 1999-10-08
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 7
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: primer
; LOCATION: (1)..(29)
; OTHER INFORMATION: oligonucleotide primer
US-09-879-813-7

Query Match          0.8%; Score 17.8; DB 9; Length 29;
Best Local Similarity 75.9%; Pred. No. 6.9e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGTCAGTGGG 29

RESULT 33
US-09-828-717-7
; Sequence 7, Application US/09828717
; Publication No. US20030087236A1
; GENERAL INFORMATION:
; APPLICANT: MRC Laboratory of Molecular Biology
; TITLE OF INVENTION: Method for Generating Diversity
; FILE REFERENCE: 18396/2002
; CURRENT APPLICATION NUMBER: US/09/828,717
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: PCT/GB99/03358
; PRIOR FILING DATE: 1998-10-09
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 7
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(29)
; OTHER INFORMATION: Synthetic primer
US-09-828-717-7

Query Match          0.8%; Score 17.8; DB 10; Length 29;
Best Local Similarity 75.9%; Pred. No. 6.9e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGTCAGTGGG 29

RESULT 34
US-10-146-505-7
; Sequence 7, Application US/10146505
; Publication No. US2003010889A1
; GENERAL INFORMATION:
; APPLICANT: Sale, Julian E.
; APPLICANT: Neuberger, Michael S.
; APPLICANT: Cumbers, Sarah J.
; TITLE OF INVENTION: Method of Generating Diversity
; FILE REFERENCE: 18396/2005B
; CURRENT APPLICATION NUMBER: US/10/146,505
; CURRENT FILING DATE: 2002-11-18
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 09/828,717
; PRIOR FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: PCT/GB99/03358
; PRIOR FILING DATE: 1999-10-08
; PRIOR APPLICATION NUMBER: GB 9822104.7
; PRIOR FILING DATE: 1998-10-09
; PRIOR APPLICATION NUMBER: GB 9901141.3
; PRIOR FILING DATE: 1999-01-19
; PRIOR APPLICATION NUMBER: GB 9913435.5
; PRIOR FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 7
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: primer
US-10-146-505-7

Query Match          0.8%; Score 17.8; DB 15; Length 29;
Best Local Similarity 75.9%; Pred. No. 6.9e+05;
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1691 GGCCTGCAGCCAGTTCAGTTCACGGGG 1719
Db 1 GGACTGCAGTCAGGTTCACTGTCAGTGGG 29

RESULT 35
US-10-157-382-4
; Sequence 4, Application US/10157382
; Publication No. US2003008268A1
; GENERAL INFORMATION:
; APPLICANT: TAMAI, Katsuyuki
; APPLICANT: MIYAZAKI, Toshiaki
; APPLICANT: WADA, Emi
; APPLICANT: TATSUZAWA, Ayumi
; TITLE OF INVENTION: METHOD FOR MEASURING THE ACTIVITY OF DEACETYLASE
; TITLE OF INVENTION: AND METHOD OF SCREENING FOR INHIBITORS AND ACCELERATORS
; FILE REFERENCE: M3-109PCT-US(CIP)
; CURRENT APPLICATION NUMBER: US/10/157,382
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: PCT/JP00/08417
; PRIOR FILING DATE: 2000-11-21
; PRIOR APPLICATION NUMBER: JP 1999-338565
; PRIOR FILING DATE: 1999-11-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 4
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Artificially
; OTHER INFORMATION: Synthesized Primer Sequence
US-10-157-382-4

Query Match          0.8%; Score 17.8; DB 14; Length 30;
Best Local Similarity 75.9%; Pred. No. 7e+05;
```

```
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 1389 CGCCTTCAGCCGCGAGCTGACTTCATCTCT 1417
Db 1 CGCCTCGAGGGCCAACTTGACTTCCTCT 29

RESULT 36
US-10-098-263B-48292/c
; Sequence 48292, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 48292
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-48292
Query Match 0.8%; Score 17.6; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 7.6e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 2164 TCAGACACTGTGTGGAGGCGACA 2187
Db 25 TCGACACTGTGTGGTGGACACA 2

RESULT 37
US-10-098-263B-130463/c
; Sequence 130463, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 130463
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-130463
Query Match 0.8%; Score 17.6; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 7.6e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1396 AGGCCCGAGCTGACTTCATCTCT 1419
Db 24 AGGTCGACGTATCTTCTCTCTCT 1

RESULT 38
US-10-098-263B-130464/c
; Sequence 130464, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
```

```
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 130464
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-130464
Query Match 0.8%; Score 17.6; DB 15; Length 25;
Best Local Similarity 83.3%; Pred. No. 7.6e+05;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1396 AGGCCCGAGCTGACTTCATCTCT 1419
Db 24 AGGTCGACGTATCTTCTCTCTCT 1

RESULT 39
US-10-262-839-342
; Sequence 342, Application US/10262839
; Publication No. US20040038877A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John,
; APPLICANT: Anderson, David W.,
; APPLICANT: Boidog, Ferenc,
; APPLICANT: Burgess, Catherine,
; APPLICANT: Catterton, Elina,
; APPLICANT: Edinger, Shlomit,
; APPLICANT: Ellerman, Karen,
; APPLICANT: Gerlach, Valerie,
; APPLICANT: Gorman, Linda,
; APPLICANT: Guo, Xiaojia,
; APPLICANT: Ji, Weizhen,
; APPLICANT: Kekuda, Ramesh,
; APPLICANT: Leach, Martin,
; APPLICANT: Li, Li,
; APPLICANT: Miller, Charles,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Reiger, Daniel,
; APPLICANT: Rothenberg, Mark,
; APPLICANT: Shinkets, Richard,
; APPLICANT: Smithson, Glennda,
; APPLICANT: Spytek, Kimberly,
; APPLICANT: Taupier, Raymond, Jr.,
; APPLICANT: Vernet, Corine,
; APPLICANT: Voss, Edward,
; APPLICANT: Zerhusen, Brian,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
; FILE REFERENCE: 21402-462A
; CURRENT APPLICATION NUMBER: US/10/262,839
; CURRENT FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: 60/326,483
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/381,101
; PRIOR FILING DATE: 2002-05-16
; PRIOR APPLICATION NUMBER: 60/371,972
; PRIOR FILING DATE: 2002-04-12
; PRIOR APPLICATION NUMBER: 60/327,342
; PRIOR FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 60/328,044
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,849
```

```
; PRIOR FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/374,738
; PRIOR FILING DATE: 2002-04-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 367
; SOFTWARE: Curasequid version 0.1
; SEQ ID NO 342
; LENGTH: 29
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer/Probe
US-10-262-839-342

Query Match          0.8%; Score 17.4; DB 16; Length 29;
Best Local Similarity 77.8%; Pred. No. 9e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2087 TTCTCTGCACAGAGCTCTGCTCTGTC 2113
Db 3 TTACCTGCACAGGCTCTACTCTGTGC 29

RESULT 40
US-10-081-281-22
; Sequence 22, Application US/10081281
; Publication No. US2002015107A1
; GENERAL INFORMATION:
; APPLICANT: Kirdsvogel, Wayne
; GROSS, Jane A.
; TITLE OF INVENTION: Immune Mediators and Related Methods
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/10/081,281
; APPLICATION NUMBER: US/10/081,281
; FILING DATE: 20-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/261,811A
; FILING DATE: 03-Mar-1999
; APPLICATION NUMBER: US 08/480,002
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/482,133
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/483,241
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 60/005,964
; FILING DATE: 27-OCT-1995
; APPLICATION NUMBER: US 08/657,581
; FILING DATE: 07-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Parent, Annette S.
; REGISTRATION NUMBER: 42,058
; REFERENCE/DOCKET NUMBER: 014058-005630US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
```

```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-10-081-281-22

Query Match          0.8%; Score 17.4; DB 13; Length 30;
Best Local Similarity 77.8%; Pred. No. 9.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 328 CCAGTATATGCTGCCCGCAGGAGGTG 354
Db 2 CCACCTGATCCACCCCGCAGGAGGTG 28

RESULT 41
US-10-343-810-12
; Sequence 12, Application US/10343810
; Publication No. US20040088760A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Randy D.
; APPLICANT: Song, Ping
; TITLE OF INVENTION: GOSYPIUM HIRSUTUM TISSUE-SPECIFIC PROMOTERS AND THEIR
; FILE REFERENCE: 201304/1062
; CURRENT APPLICATION NUMBER: US/10/343,810
; CURRENT FILING DATE: 2003-10-24
; PRIOR APPLICATION NUMBER: 60/223,496
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-10-343-810-12

Query Match          0.8%; Score 17.4; DB 16; Length 30;
Best Local Similarity 77.8%; Pred. No. 9.1e+05;
Matches 21; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 654 GAAGTTTCAGGACCCAGCTCAAGACTTG 680
Db 3 GCAGTTTCAGAACCCAGCTCGTAGTTG 29

RESULT 42
US-10-244-647-1317
; Sequence 1317, Application US/10244647
; Publication No. US20030206887A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceutical, Inc.
; APPLICANT: Morrissey, David
; APPLICANT: McSwiggen, James
; APPLICANT: Beigelman, Leonid
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
; FILE REFERENCE: 400/060 (MEHB02-1000)
; CURRENT APPLICATION NUMBER: US/10/244,647
; CURRENT FILING DATE: 2003-04-14
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/393,924
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: PCT US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 1524
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1317
```

```
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-244-647-1317

Query Match      0.8%; Score 17.2; DB 15; Length 23;
Best Local Similarity 77.3%; Pred. No. 9.7e+05;
Matches 17; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY      626 GCTGGCGCAAGAGAGATCCC 647
Db      2 GCUCCCUCAAGAGAGAUCCC 23

RESULT 43
US-10-098-263B-80858/c
; Sequence 80858, Application US/10098263B
; Publication No. US2003010410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 80858
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-80858

Query Match      0.8%; Score 17.2; DB 15; Length 25;
Best Local Similarity 86.4%; Pred. No. 9.9e+05;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      139 GAAGCCCAAGTACCTGTGCTCCG 160
Db      22 GGAGCCGAGTACCTGTGTCACCG 1

RESULT 44
US-10-717-597-2427
; Sequence 2427, Application US/10717597
; Publication No. US20040110221A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Burczynski, Michael E.
; APPLICANT: Twine, Natalie C.
; APPLICANT: Derner, Andrew J.
; APPLICANT: Trepicchio, William L.
; APPLICANT: Stonim, Donna K.
; APPLICANT: Stover, Jennifer A.
; TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
; FILE REFERENCE: AM101080L
; CURRENT APPLICATION NUMBER: US/10/717,597
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US 60/459,782
; PRIOR FILING DATE: 2003-04-03
; PRIOR FILING DATE: 2002-11-21
; NUMBER OF SEQ ID NOS: 4904
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2427
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-717-597-2427

Query Match      0.8%; Score 17.2; DB 17; Length 25;
Best Local Similarity 86.4%; Pred. No. 9.9e+05;

; LENGTH: 23
; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-244-647-1317

Query Match      0.8%; Score 17.2; DB 9; Length 30;
Best Local Similarity 73.3%; Pred. No. 1e+06;
Matches 22; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      847 GGGTCAGAGCTCCTGCAGAGTGCAGAGC 876
Db      30 GAGTCACACCTGCTGCAGTGGCTCGAGCGC 1

RESULT 46
US-10-215-112-4521
; Sequence 4521, Application US/10215112
; Publication No. US20030082596A1
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; TITLE OF INVENTION: Method of Genetic Analysis of Probes:
; FILE REFERENCE: 3119
; CURRENT APPLICATION NUMBER: US/10/215,112
```



```
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 14936
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4521
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-215-112-4521

Query Match      0.8%; Score 17; DB 14; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1242 GAACGGCAGCGGACCGGCGGAGGA 1266
Db 1 GAACCTTCGGCCGACCGGTAGAGGA 25

RESULT 47
US-10-098-263B-8292
; Sequence 8292, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 8292
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-8292

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 882 GAAGAGACGGGCACCTTTTGAGAAC 906
Db 1 GACGAAGACGACCAACCCCTTGAGTAC 25

RESULT 48
US-10-098-263B-32545/c
; Sequence 32545, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 32545
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-32545

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
```

```
QY 2163 CTCAGACACTGTGTGGGAGGCACA 2187
Db 25 CTCGACACTGTGACGGTGGACACA 1

RESULT 49
US-10-098-263B-50938/c
; Sequence 50938, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 50938
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-50938

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1892 AGTCGAGACATCCCGAGCGTGC 1916
Db 25 AGTAGATCAGATCCCGAAGTGC 1

RESULT 50
US-10-098-263B-54431/c
; Sequence 54431, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 54431
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-54431

Query Match      0.8%; Score 17; DB 15; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.1e+06;
Matches 20; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1397 GGCCGACGTCATCTCCTCTTT 1421
Db 25 GGTCACACGTCCTCCATCCTCTTT 1

Search completed: November 20, 2004, 09:41:23
Job time : 1126 secs
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OM nucleic - nucleic search, using sw model

Run on: November 20, 2004, 03:17:09 ; Search time 7057 Seconds  
 (without alignments)  
 11680.129 Million cell updates/sec

Title: US-10-067-125-2  
 Perfect score: 2262  
 Sequence: 1 gaattccggcggtcgac.....attaaaccattacaattctc 2262

Scoring table: IDENTITY\_NUC  
 Gapop 10.0 , Capext 1.0

Searched: 32822875 seqs, 18219865908 residues

Total number of hits satisfying chosen parameters: 46458

Minimum DB seq length: 0  
 Maximum DB seq length: 30

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 50 summaries

Database :	EST:*
1: gb_est1:*	
2: gb_est2:*	
3: gb_est3:*	
4: gb_est4:*	
5: gb_est5:*	
6: gb_est6:*	
7: gb_est7:*	
8: gb_est8:*	
9: gb_est9:*	

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.6	0.8	27	9	CG708102 1119006E0
2	16.8	0.7	24	8	AZ770304 1M0571K14
3	16.8	0.7	29	8	AZ839016 2M0134O22
4	16.6	0.7	25	8	AZ460726 1M0266O10
5	16.4	0.7	29	8	AZ759919 1M0553H09
6	16.4	0.7	30	9	CG713193 111903O61
7	16.2	0.7	21	4	BM400027 5009-0-65
8	16.2	0.7	28	8	AZ584848 1M0389I13
9	16.2	0.7	24	8	AZ936903 2M0193E20
10	16.2	0.7	25	8	AZ312923 1M0029L01
11	16.2	0.7	30	9	CG721980 111906951
12	15.8	0.7	20	6	CD531709 11M02 Ara
13	15.8	0.7	23	9	AG194875 Pan trogl
14	15.8	0.7	28	8	BH907751 SALK 0439
15	15.8	0.7	29	8	AZ479604 1M0300E21
16	15.8	0.7	29	8	AZ646100 1M0511P19
17	15.8	0.7	29	8	AZ854411 2M0158B05
18	15.6	0.7	25	1	AI757084 EtEStea04
19	15.6	0.7	25	9	CG714622 1119037E0
20	15.6	0.7	28	1	AI914763 tro2all.x
21	15.6	0.7	28	8	AZ307581 1M0009J09
22	15.6	0.7	28	8	AZ618807 1M0450N11
23	15.6	0.7	29	8	CC455120 SALK 0553
24	15.4	0.7	24	8	AZ448189 1M0245A16

## ALIGNMENTS

RESULT 1  
 CG708102

LOCUS CG708102 27 bp DNA linear GSS 20-OCT-2003

DEFINITION 1119006E02.2ELy1 1119 - RescueMu Grid AA Zea mays genomic, genomic survey sequence.

ACCESSION CG708102.1 GI:37734008

VERSION CG708102

KEYWORDS GSS.

SOURCE Zea mays

ORGANISM Zea mays

REFERENCE 1 (bases 1 to 27)

AUTHORS Walbot,V.

TITLE Maize genomic sequences found using engineered RescueMu transposon

JOURNAL Unpublished (2001)

COMMENT Contact: Walbot V  
 Department of Biological Sciences  
 Stanford University  
 855 California Ave, Palo Alto, CA 94304, USA  
 Tel: 650 723 2227  
 Fax: 650 725 8221  
 Email: walbot@stanford.edu  
 Possible ligation site of ends cut by 2 different endonucleases.  
 Reverse complemented post-ligation sequence from source sequence.  
 Plate: 1119006 row: E column: 02  
 Class: transposon-tagged.  
 Location/Qualifiers  
 1..27  
 /organism="Zea mays"  
 /mol\_type="genomic DNA"  
 /cultivar="mixed background W23/A188/B73/K55"  
 /db\_xref="taxon:4577"  
 /tissue\_type="leaf"  
 /dev\_stage="adult"  
 /lab\_host="DH10B"  
 /clone\_lib="1119 - RescueMu Grid AA"  
 /note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site 1: BamHI; Site 2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA."

Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.iastate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

## ORIGIN

Query Match 0.8%; Score 18.6; DB 9; Length 27;  
Best Local Similarity 84.0%; Pred. No. 1.6e+07;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 629 GCGCGAAGAGAGATCCCGCGGA 653  
||||| ||||| ||||| ||||| |||||  
Db 2 GCGCGAAGAGACGACCCCGCGGA 26

## RESULT 2

AZ770304/c  
LOCUS 24 bp DNA linear GSS 16-FEB-2001  
DEFINITION 1M0571K14R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0571K14 R, genomic survey sequence.

ACCESSION AZ770304

VERSION AZ770304.1 GI:12891351

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

## ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 24)

## REFERENCE

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D. Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

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84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0571 row: K column: 14

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 24.

Location/Qualifiers

## FEATURES

source

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/mol\_type="genomic DNA"  
/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGC1M0571K14"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male); was obtained from the Jackson Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 16.8; DB 8; Length 24;  
Best Local Similarity 90.0%; Pred. No. 4e+07;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 988 GACAAAGTTGAAGCCCTGAG 1007  
||||| ||||| ||||| ||||| |||||  
Db 24 GACAAAGTTGAAGCCCTGAG 5

## RESULT 3

AZ839016/c  
LOCUS 29 bp DNA linear GSS 20-FEB-2001  
DEFINITION 2M0134022R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC2M0134022 R, genomic survey sequence.

ACCESSION AZ839016

VERSION AZ839016.1 GI:13008924

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

## ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 29)

## REFERENCE

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D. Weiss, R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

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University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0134 row: O column: 22

Seq primer: CACACAGGAACAGCTATGACC

Class: plasmid ends

High quality sequence stop: 29.

Location/Qualifiers

## FEATURES

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/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGC2M0134022"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male); was obtained from the Jackson Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 16.8; DB 8; Length 29;  
Best Local Similarity 75.0%; Pred. No. 4.1e+07;  
Matches 21; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2180 AGGCGACAGCACAGCTGCGGTAAGTG 2207  
|||||  
Db 28 AAGCCAGAGCACGCTGGGGTTCAGGTG 1  
|||||

RESULT 4  
AZ460726/c

LOCUS AZ460726 25 bp DNA linear GSS 04-OCT-2000  
DEFINITION clone UUGC1M0266010 F, genomic survey sequence.

ACCESSION AZ460726  
VERSION  
KEYWORDS  
SOURCE GSS.  
GI:10618951

## ORGANISM

Mus musculus (house mouse)  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

## REFERENCE

1 (bases 1 to 25)  
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,  
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,  
Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von  
Niederhausern, A. and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

## TITLE

plasmid inserts

## JOURNAL

Unpublished (2000)

COMMENT Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0266 row: O column: 10

Seq primer: CGTTGTAAACGACGCGCCAGT

Class: plasmid ends

High quality sequence stop: 25.

## FEATURES

## source

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Location/Qualifiers  
/organism="Mus musculus"  
/mol\_type="genomic DNA"  
/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGC1M0266010"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/notes="Vector: PWD42nv; Purified genomic DNA from M.  
musculus C57BL/6J (male) was obtained from the Jackson  
Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA  
was hydrodynamically sheared by repeated passage through a  
0.005 inch orifice at constant velocity. The sheared DNA  
was blunt end-repaired with T4 DNA polymerase and T4  
polynucleotide kinase. Adaptor oligonucleotides were  
ligated to the blunt ends in high molar excess. The  
adapted DNA was purified and size-selected for a 9.5 to  
10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 16.6; DB 8; Length 25;  
Best Local Similarity 82.6%; Pred. No. 4.5e+07;  
Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1579 TGGGGGTTGGGGCGACGCGCA 1601  
|||||  
Db 23 TGGGGGTTGGGTGAAGGCAGGGA 1  
|||||

RESULT 5  
AZ759919/c

LOCUS AZ759919 29 bp DNA linear GSS 16-FEB-2001  
DEFINITION clone UUGC1M0553H09 F, genomic survey sequence.

ACCESSION AZ759919  
VERSION  
KEYWORDS  
SOURCE GSS.  
GI:12867200

## ORGANISM

Mus musculus (house mouse)  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

## REFERENCE

1 (bases 1 to 29)  
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,  
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,  
Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von  
Niederhausern, A. and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

## TITLE

plasmid inserts

## JOURNAL

Unpublished (2000)

COMMENT Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0553 row: H column: 09

Seq primer: CGTTGTAAACGACGCGCCAGT

Class: plasmid ends

High quality sequence stop: 29.

## FEATURES

## source

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Location/Qualifiers  
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/mol\_type="genomic DNA"  
/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGC1M0553H09"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/notes="Vector: PWD42nv; Purified genomic DNA from M.  
musculus C57BL/6J (male) was obtained from the Jackson  
Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA  
was hydrodynamically sheared by repeated passage through a  
0.005 inch orifice at constant velocity. The sheared DNA  
was blunt end-repaired with T4 DNA polymerase and T4  
polynucleotide kinase. Adaptor oligonucleotides were  
ligated to the blunt ends in high molar excess. The  
adapted DNA was purified and size-selected for a 9.5 to  
10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 16.4; DB 8; Length 20;  
Best Local Similarity 76.9%; Pred. No. 5.1e+07;  
Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 338 CTCGCCGACGGAGGTGGAGCGCTG 363  
||||| ||||| ||||| ||||| |||||  
DB 26 CTGCTGCAGGAACCTGGAATCCTG 1

RESULT 6  
CG713193  
LOCUS  
DEFINITION 1119030G10.2EL.Y1 1119 - RescueMu Grid AA Zea mays genomic, genomic survey sequence.  
CG713193  
VERSION CG713193.1 GI:37739099  
KEYWORDS GSS.  
SOURCE Zea mays  
ORGANISM Zea mays

REFERENCE  
AUTHORS Walbot,V.  
TITLE Maize genomic sequences found using engineered RescueMu transposon  
JOURNAL Unpublished (2001)  
COMMENT Contact: Walbot V  
Department of Biological Sciences  
Stanford University  
855 California Ave, Palo Alto, CA 94304, USA  
Tel: 650 723 2227  
Fax: 650 725 8221  
Email: walbot@stanford.edu  
Possible ligation site of ends cut by 2 different endonucleases.  
Reverse complemented post-ligation sequence from source sequence.  
Plate: 1119030 row: G column: 10  
Class: transposon-tagged.  
Location/Qualifiers  
1. 30  
/organism="Zea mays"  
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/db\_xref="taxon:4597"  
/tissue\_type="leaf"  
/dev\_stage="adult"  
/lab\_host="DH10B"  
/clone\_lib="1119 - RescueMu Grid AA"  
/notes="Organ: leaf; Vector: RescueMu (engineered from pBluescript backbone); Site: 1: BamHI; Site 2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.lastate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

## ORIGIN

Query Match 0.7%; Score 16.4; DB 9; Length 30;  
Best Local Similarity 76.9%; Pred. No. 5.1e+07;

Matches 20; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
QY 627 CTGCGCAAGAGGAAGATCCCGCGG 652  
||||| ||||| ||||| ||||| |||||  
DB 5 CAGCGCGAGGAAGCAAAACCCCGCGG 30

RESULT 7  
BM400027  
LOCUS  
DEFINITION 21 bp mRNA linear EST 17-JAN-2002  
5009-0-65-A06.t.1 Chilcoat/Turkewitz cDNA (large fraction)  
Tetrahymena thermophila cDNA, mRNA sequence.

ACCESSION BM400027  
VERSION BM400027.1 GI:18200080  
KEYWORDS EST.  
SOURCE Tetrahymena thermophila  
ORGANISM Tetrahymena thermophila  
Tetrahymena thermophila  
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;  
Hymenostomatida; Tetrahymenina; Tetrahymena.

REFERENCE  
AUTHORS Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E.,  
Frankel,J. and Klobutcher,L.  
TITLE EST from Tetrahymena thermophila, strain CU428.1, growing cells  
JOURNAL Unpublished (2002)  
COMMENT Contact: Turkewitz AP  
Molecular Genetics and Cell Biology  
University of Chicago  
920 E. 58th Street, Chicago, IL 60637, USA  
Tel: 773 702 4374  
Fax: 773 702 3172  
Email: apturkew@midway.uchicago.edu  
Seq primer: T3.

## FEATURES

source  
1..21  
Location/Qualifiers  
/organism="Tetrahymena thermophila"  
/mol\_type="mRNA"  
/strain="CU428.1"  
/db\_xref="taxon:5911"  
/clone\_lib="Chilcoat/Turkewitz cDNA (large fraction)"  
/note="Vector: Bluescript2 SK+; Details on library preparation can be found in Chilcoat and Turkewitz (2001) Proc. Natl. Acad. Sci USA, 98: 8709-8713."

## ORIGIN

Query Match 0.7%; Score 16.2; DB 4; Length 21;  
Best Local Similarity 85.7%; Pred. No. 5.4e+07;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 829 GGAGACCGAGCCACGCGGG 849  
||||| ||||| ||||| ||||| |||||  
DB 1 GGAATACTGAGCCACGCGGG 21

## RESULT 8

AZ584848

## LOCUS

DEFINITION 28 bp DNA linear GSS 13-DEC-2000  
1M038911R Mouse 10kb plasmid UUGCLM library Mus musculus genomic  
clone UUGCLM0389113 R, genomic survey sequence.

ACCESSION AZ584848

VERSION AZ584848.1 GI:11706145

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

## ORGANISM

Mus musculus  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
1 (bases 1 to 28)

## REFERENCE

AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,  
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,  
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von  
Niederhausern,A. and Wright,D.,Weiss,R.  
TITLE Mouse whole genome scaffolding with paired end reads from 10kb  
JOURNAL plasmid inserts  
Unpublished (2000)

```

COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0389 row: I column: 13
Seq primer: CACACAGGAACACGCTATGACC
Class: plasmid ends
High quality sequence stop: 28.
Location/Qualifiers
1. .28
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0389113"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified Genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

FEATURES
source
1. .28
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0193E20"
/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/notes="Vector: PWD42nv; Purified Genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN
Query Match 0.7%; Score 16; DB 8; Length 24;
Best Local Similarity 79.2%; Pred. No. 6.1e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1574 GTGTCGGGGGTTGGGGGCAG 1594
|||||
Db 1 GTGTCGGGGTCCGGGGGCAG 21

RESULT 9
AZ936903
LOCUS
DEFINITION
2M0193E20R Mouse 10kb plasmid UUGC2M library Mus musculus genomic
clone UUGC2M0193E20 R, genomic survey sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 24)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D.,Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)

TITLE
JOURNAL

COMMENT
Contact: Robert B. Weiss
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0193 row: E column: 20
Seq primer: CACACAGGAACACGCTATGACC
Class: plasmid ends
High quality sequence stop: 24.
Location/Qualifiers
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/mol_type="genomic DNA"
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/db_xref="taxon:10090"
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/sex="Female"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC2M library"
/notes="Vector: PWD42nv; Purified Genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN
Query Match 0.7%; Score 16; DB 8; Length 24;
Best Local Similarity 79.2%; Pred. No. 6.1e+07;
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1860 GAAGGGAGAGCGCCCTGGTGGGG 1883
|||||
Db 1 GAAGGGAGAGCGCTGGTGGAGGG 24

RESULT 10
AZ312923/c
LOCUS
DEFINITION
1M0029L01F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0029L01 F, genomic survey sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 25)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D.,Weiss,R.
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)

TITLE
JOURNAL

```

## COMMENT

Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308 Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert Length: 10000 Std Error: 0.00  
Plate: 0029 row: L column: 01  
Seq primer: CGTGTAAACGAGCGCCAGT  
Class: plasmid ends  
High quality sequence stop: 25.

## FEATURES

source

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Location/Qualifiers  
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/mol\_type="genomic DNA"  
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/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, TI-resistant, P-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/notes="Vector: pWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.78; Score 16; DB 8; Length 25;  
Best Local Similarity 79.2%; Pred. No. 6.2e+07;  
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1879 GGGGACACTCAGAGTGGAGCAC 1902

Db 25 GGGTGACATCAGAGTGGCAGTAC 2

## RESULT 11

CG721980/c

LOCUS

DEFINITION CG721980 30 bp DNA linear GSS 20-OCT-2003  
1119069G12.1|EL.V1 1119 - RescueMu Grid AA Zea mays genomic, genomic survey sequence.

ACCESSION

CG721980

VERSION

GSS.

KEYWORDS

Zea mays

SOURCE

Zea mays

ORGANISM

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD

clade; Panicoideae; Andropogoneae; Zea.

1 (Bases 1 to 30)

Walbot, V.

TITLE

Maize genomic sequences found using engineered RescueMu transposon

JOURNAL

Unpublished (2001)

COMMENT

Contact: Walbot V

Department of Biological Sciences

Stanford University

855 California Ave, Palo Alto, CA 94304, USA  
Tel: 650 723 2227  
Fax: 650 725 8221

Email: walbot@stanford.edu

Very probable ligation site of ends cut by single endonuclease.  
Reverse complemented post-ligation sequence from source sequence.

Plate: 1119069 row: G column: 12

Class: transposon-tagged.

Location/Qualifiers

1. .30

## FEATURES

source

/organism="Zea mays"  
/mol\_type="genomic DNA"  
/cultivar="mixed background W23/Al88/B73/K55"  
/db\_xref="taxon:4577"  
/tissue\_type="leaf"  
/dev\_stage="adult"  
/lab\_host="DH10B"  
/clone\_lib="1119 - RescueMu Grid AA"  
/note="Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site 1: BamHI, Site 2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA. Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the web site 'www.zmdb.iastate.edu' and follow the links for 'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA was extracted from leaf strips, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells were transformed and then screened on LB plates with ampicillin."

## ORIGIN

Query Match 0.78; Score 16; DB 9; Length 30;  
Best Local Similarity 79.2%; Pred. No. 6.3e+07;  
Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 605 AGTCCCTTAACCTGTGACGGCT 628

Db 30 AGTTCCCGTACGTTGCGACGGCT 7

## RESULT 12

CD531709/c

LOCUS

DEFINITION 11M02 Arabidopsis Leaf Senescence Library Arabidopsis thaliana CDNA  
3', mRNA sequence.

ACCESSION

CD531709

VERSION

CD531709.1

KEYWORDS

EST.

SOURCE

Arabidopsis thaliana (thale cress)

ORGANISM

Arabidopsis thaliana

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

1 (Bases 1 to 20)

Guo, Y., Cai, Z. and Gan, S.

TITLE

Transcriptome of Arabidopsis leaf senescence

JOURNAL

Plant Cell Environ. 27 (5), 521-549 (2004)

COMMENT

Contact: Susheng Gan

Department of Horticulture

Cornell University

119 Plant Science, Cornell University, Ithaca, NY 14853-5904, USA

Tel: 607 254 5418

Fax: 607 255 0599

Email: sg288@cornell.edu

Insert Length: 20

Std Error: 0.00

Seg primer: T7

POLY-A-No.

Location/Qualifiers

1. .20

/organism="Arabidopsis thaliana"

/mol\_type="mRNA"

/ecotype="Landsberg erecta"



```

/db_xref="taxon:3702"
/tissue_type="leaf"
/dev_stage="yellow Leaf With Greenish Base Area"
/lab_host="E. coli"
/clone_lib="Arabidopsis Leaf Senescence Library"
/notes="Organ: Rosette Leaf; Vector: pBluscript SKII+;
Site 1: EcoRI; Site 2: EcoRI; Senescent rosette leaves #5
and #6 (counted from the bottom) were harvested and
immediately frozen in liquid N2. The leaves were visibly
yellow excepted for the leaf base areas that were still
greenish. "
```

## ORIGIN

```

Query Match          0.7%; Score 15.8; DB 6; Length 20;
Best Local Similarity 89.5%; Pred. No. 6.7e+07;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1530 CAAGGCCATTGTGGACCTG 1548

Db 20 CAAGGCCATTGTGGAGCTG 2

## RESULT 13

AG194875/c

```

LOCUS              23 bp DNA linear GSS 06-MAR-2004
DEFINITION Pan troglodytes DNA, clone: RP43-073F19.TJ, genomic survey
sequence.
```

ACCESSION AG194875

VERSION AG194875.1

KEYWORDS GSS.

SOURCE Pan troglodytes (chimpanzee)

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

```

Park,H., Kim,Y., Kim,S., Han,Y., Woo,T., Park,K., Eun,C.J.,
Hoon,S.T., Chu,M., Kim,H., Joo,S., Kim,C., Song,W. and Yoo,H.
BAC end sequences of Library RP-43
Unpublished
2 (bases 1 to 23)
Park,H., Kim,Y., Kim,S., Han,Y., Woo,T., Park,K., Eun,C.J.,
Hoon,S.T., Chu,M., Kim,H., Joo,S., Kim,C., Song,W. and Yoo,H.
Direct Submission
Submitted (07-JAN-2002) Hong-Seog Park, Korea Research Institute of
Bioscience and Biotechnology (KRIBB), Genome Research Center (GRC);
52, Oun-dong, Yusong-gu, Daejeon 305-333, Korea
[E-mail: redstone@mail.krribb.re.kr. URL: http://phs.grc.krribb.re.kr/,
Tel:82-42-866-7181, Fax:82-42-860-4409]
Clones are derived from the chimpanzee BAC library RP-43 This BAC
end was generated during the R&D process and may have higher chance
of clone tracking errors.
PRIMERS
Sequencing: TJ
LIBRARY
Vector : pBACe3.6
R.Site 1 : EcoRI
R.Site 2 : EcoRI.
Location/Qualifiers
1. .23
/organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/clone="RP43-073F19.TJ"
/sex="male"
/cell_type="lymphocytes"
/clone_lib="RP-43 Chimpanzee Male BAC Library"
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## ORIGIN

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Query Match          0.7%; Score 15.8; DB 9; Length 23;
Best Local Similarity 89.5%; Pred. No. 6.8e+07;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 1919 TGTCAGCAGGACACAGTGG 1937

## Db

22 TGTCAGCAGCACAATGG 4

## RESULT 14

BH907751

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

Location/Qualifiers

1. .28

/organism="Arabidopsis thaliana"

/mol\_type="genomic DNA"

/ecotype="Col-0"

/db\_xref="taxon:3702"

/clone="SALK\_043999.44.90.x"

/clone\_lib="Arabidopsis thaliana TDNA insertion lines"

/note="PCR was performed on Arabidopsis thaliana lines

each of which contains one or more TDNA insertion

elements. The resultant fragment for each line was

directly sequenced to determine the genomic sequence at

the site of insertion. Details of the protocols used can

be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

Query Match

Best Local Similarity

Matches 20; Conservative

0; Mismatches

7; Indels

0; Gaps

0;

QY 293 ATATATGAAGAGGACATTTCTATTTA 309

Db 2 AGATATTATGAAGGCTTTCTCATTA 28

RESULT 15

AZ479604

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

Location/Qualifiers

1. .23

/organism="Mus musculus

(house mouse)"

/mol\_type="genomic DNA"

/db\_xref="taxon:9598"

/clone="RP43-073F19.TJ"

/sex="male"

/cell\_type="lymphocytes"

/clone\_lib="RP-43 Chimpanzee Male BAC Library"

Query Match

Best Local Similarity

Matches 17; Conservative

0; Mismatches

2; Indels

0; Gaps

0;

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|||||
22 TGTCAGCAGCACAATGG 4
|||||
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BH907751          28 bp DNA linear GSS 04-SEP-2002
SALK_043999.44.90.x Arabidopsis thaliana TDNA insertion lines
Arabidopsis thaliana genomic clone SALK_043999.44.90.x, genomic
survey sequence.
```

BH907751

VERSION BH907751.1

KEYWORDS GSS.

SOURCE Arabidopsis thaliana (thale cress)

ORGANISM Arabidopsis thaliana

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

Location/Qualifiers

1. .28

/organism="Arabidopsis thaliana"

/mol\_type="genomic DNA"

/ecotype="Col-0"

/db\_xref="taxon:3702"

/clone="SALK\_043999.44.90.x"

/clone\_lib="Arabidopsis thaliana TDNA insertion lines"

/note="PCR was performed on Arabidopsis thaliana lines

each of which contains one or more TDNA insertion

elements. The resultant fragment for each line was

directly sequenced to determine the genomic sequence at

the site of insertion. Details of the protocols used can

be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

Query Match

Best Local Similarity

Matches 20; Conservative

0; Mismatches

7; Indels

0; Gaps

0;

QY 293 ATATATGAAGAGGACATTTCTATTTA 309

Db 2 AGATATTATGAAGGCTTTCTCATTA 28

RESULT 15

AZ479604

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

Location/Qualifiers

1. .28

/organism="Arabidopsis thaliana"

/mol\_type="genomic DNA"

/ecotype="Col-0"

/db\_xref="taxon:3702"

/clone="SALK\_043999.44.90.x"

/clone\_lib="Arabidopsis thaliana TDNA insertion lines"

/note="PCR was performed on Arabidopsis thaliana lines

each of which contains one or more TDNA insertion

elements. The resultant fragment for each line was

directly sequenced to determine the genomic sequence at

the site of insertion. Details of the protocols used can

be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

Query Match

Best Local Similarity

Matches 20; Conservative

0; Mismatches

7; Indels

0; Gaps

0;

QY 293 ATATATGAAGAGGACATTTCTATTTA 309

Db 2 AGATATTATGAAGGCTTTCTCATTA 28

RESULT 15

AZ479604

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

Location/Qualifiers

1. .28

/organism="Arabidopsis thaliana"

/mol\_type="genomic DNA"

/ecotype="Col-0"

/db\_xref="taxon:3702"

/clone="SALK\_043999.44.90.x"

/clone\_lib="Arabidopsis thaliana TDNA insertion lines"

/note="PCR was performed on Arabidopsis thaliana lines

each of which contains one or more TDNA insertion

elements. The resultant fragment for each line was

directly sequenced to determine the genomic sequence at

the site of insertion. Details of the protocols used can

be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

Query Match

Best Local Similarity

Matches 20; Conservative

0; Mismatches

7; Indels

0; Gaps

0;

QY 293 ATATATGAAGAGGACATTTCTATTTA 309

Db 2 AGATATTATGAAGGCTTTCTCATTA 28

RESULT 15

AZ479604

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

Location/Qualifiers

1. .28

/organism="Arabidopsis thaliana"

/mol\_type="genomic DNA"

/ecotype="Col-0"

/db\_xref="taxon:3702"

/clone="SALK\_043999.44.90.x"

/clone\_lib="Arabidopsis thaliana TDNA insertion lines"

/note="PCR was performed on Arabidopsis thaliana lines

each of which contains one or more TDNA insertion

elements. The resultant fragment for each line was

directly sequenced to determine the genomic sequence at

the site of insertion. Details of the protocols used can

be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

Query Match

Best Local Similarity

Matches 20; Conservative

0; Mismatches

7; Indels

0; Gaps

0;

QY 293 ATATATGAAGAGGACATTTCTATTTA 309

Db 2 AGATATTATGAAGGCTTTCTCATTA 28

RESULT 15

AZ479604

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

```

REFERENCE
AUTHORS      1 (bases 1 to 29)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D. Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
             plasmid inserts
JOURNAL      Unpublished (2000)
COMMENT      Contact: Robert B. Weiss
             University of Utah
             Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
             84112, USA
             Tel: 801 585 5606
             Fax: 801 585 7177
             Email: ddunn@genetics.utah.edu
             Insert Length: 10000 Std Error: 0.00
             Plate: 0300 row: E column: 21
             Seq primer: CGTGTAAACGACGGCCAGT
             Class: plasmid ends
             High quality sequence stop: 29.
FEATURES     source
             1..29
             /organism="Mus musculus"
             /mol_type="genomic DNA"
             /strain="C57BL/6J"
             /db_xref="taxon:10090"
             /clone="UUGC1M0300E21"
             /sex="Male"
             /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
             /clone_lib="Mouse 10kb plasmid UUGC1M library"
             /note="Vector: PWD42nv; Purified genomic DNA from M.
             musculus C57BL/6J (male) was obtained from the Jackson
             Laboratory Mouse DNA Resource
             (http://www.jax.org/resources/documents/dnares/). The DNA
             was hydrodynamically sheared by repeated passage through a
             0.005 inch orifice at constant velocity. The sheared DNA
             was blunt end-repaired with T4 DNA polymerase and T4
             polynucleotide kinase. Adaptor oligonucleotides were
             ligated to the blunt ends in high molar excess. The
             adaptor DNA was purified and size-selected for a 9.5 to
             10.5 kb range using preparative agarose gel
             electrophoresis. Vector DNA was prepared from a derivative
             of pWD42 (GI|4732114|gb|AF129072.1), a copy-number
             inducible derivative of plasmid R1. The vector was ligated
             with adaptors complementary to the insert adaptors and
             purified. The sheared, adaptor mouse DNA was annealed to
             adaptor vector DNA, and transformed into
             chemically-competent E. coli XL10-Gold (Stratagene) cells
             and selected for ampicillin resistance."
ORIGIN
Query Match      0.7%; Score 15.8; DB 8; Length 29;
Best Local Similarity 89.5%; Pred. No. 7e+07;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1573 GGTGCTCTGGGGGTGGGG 1591
      |||||
Db 11 GGAGTCTGGGGGTGGGG 29

RESULT 16
AZ646100
LOCUS
DEFINITION      1M0511P19R Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC1M0511P19 R, genomic survey sequence.
ACCESSION      AZ646100
VERSION        AZ646100.1 GI:11776226
KEYWORDS       GSS.
SOURCE         Mus musculus (house mouse)
ORGANISM       Mus musculus
               Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
               Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

```

```

REFERENCE
AUTHORS      1 (bases 1 to 29)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D. Weiss,R.
TITLE        Mouse whole genome scaffolding with paired end reads from 10kb
             plasmid inserts
JOURNAL      Unpublished (2000)
COMMENT      Contact: Robert B. Weiss
             University of Utah
             Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
             84112, USA
             Tel: 801 585 5606
             Fax: 801 585 7177
             Email: ddunn@genetics.utah.edu
             Insert Length: 10000 Std Error: 0.00
             Plate: 0511 row: P column: 19
             Seq primer: CACACAGGAACAGCTATGACC
             Class: plasmid ends
             High quality sequence stop: 29.
FEATURES     source
             1..29
             /organism="Mus musculus"
             /mol_type="genomic DNA"
             /strain="C57BL/6J"
             /db_xref="taxon:10090"
             /clone="UUGC1M0511P19"
             /sex="Male"
             /lab_host="E. Coli strain XL10-Gold, Tl-resistant, F-"
             /clone_lib="Mouse 10kb plasmid UUGC1M library"
             /note="Vector: PWD42nv; Purified genomic DNA from M.
             musculus C57BL/6J (male) was obtained from the Jackson
             Laboratory Mouse DNA Resource
             (http://www.jax.org/resources/documents/dnares/). The DNA
             was hydrodynamically sheared by repeated passage through a
             0.005 inch orifice at constant velocity. The sheared DNA
             was blunt end-repaired with T4 DNA polymerase and T4
             polynucleotide kinase. Adaptor oligonucleotides were
             ligated to the blunt ends in high molar excess. The
             adaptor DNA was purified and size-selected for a 9.5 to
             10.5 kb range using preparative agarose gel
             electrophoresis. Vector DNA was prepared from a derivative
             of pWD42 (GI|4732114|gb|AF129072.1), a copy-number
             inducible derivative of plasmid R1. The vector was ligated
             with adaptors complementary to the insert adaptors and
             purified. The sheared, adaptor mouse DNA was annealed to
             adaptor vector DNA, and transformed into
             chemically-competent E. coli XL10-Gold (Stratagene) cells
             and selected for ampicillin resistance."
ORIGIN
Query Match      0.7%; Score 15.8; DB 8; Length 29;
Best Local Similarity 74.1%; Pred. No. 7e+07;
Matches 20; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2109 TGTCCACCTGTGGCCAGCTGGTGTG 2135
      |||||
Db 2 TGCGCCACCACTGCCAAGCTTCTGTG 28

RESULT 17
AZ854411/c
LOCUS
DEFINITION      2M0159B05F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0159B05 F, genomic survey sequence.
ACCESSION      AZ854411
VERSION        AZ854411.1 GI:13043500
KEYWORDS       GSS.
SOURCE         Mus musculus (house mouse)
ORGANISM       Mus musculus
               Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
               Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

```

```

REFERENCE
AUTHORS
1 (bases 1 to 29)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
Niederhauser,A. and Wright,D., Weiss,R.
TITLE
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL
Unpublished (2000)
COMMENT
Contact: Robert B. Weiss
University of Utah
University of Utah Genome Center
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 std Error: 0.00
Plate: 0158 row: B column: 05
Seq primer: CGTGTAAACGACGACGCCAGT
Class: plasmid ends
High quality sequence stop: 29.
Location/Qualifiers
1. .29
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0158B05"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

ORIGIN
Query Match 0.7%; Score 15.8; DB 8; Length 29;
Best Local Similarity 74.1%; Pred. No. 7e+07;
Matches 20; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 732 GGTAGAGGGTGAGAACACAGGAGCA 758
|||||
DB 28 GGAACAGGAGGAGACAGGAGCA 2

RESULT 18
LOCUS
AI757084 25 bp mRNA linear EST 18-JAN-2000
DEFINITION
EtesTea04d05.v1 Eimeria M5-6 Merozoite stage Eimeria tenella cDNA
5' similar to TR:Q64526 Q64526 ULTRA-HIGH SULPHUR KERATIN. 1; mRNA
sequence.
ACCESSION
AI757084.1 GI:5150807
VERSION
AI757084
KEYWORDS
EST.
SOURCE
Eimeria tenella
Eimeria tenella
Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Eimeriidae;

REFERENCE
AUTHORS
1 (bases 1 to 25)
Liberator,P., Diaz,C., Tang,K., Marra,M., Hillier,L., Kucaba,T.,
Martin,J., Wylie,T., Underwood,K., Steptoe,M., Theising,B.,
Allen,M., Bowers,Y., Pearson,B., Swaller,T., Gibbons,M., Pape,D.,
Harvey,N., Schurk,R., Ritter,E., Kohn,S., Florence,N., Shin,I.,
Jackson,Y., Cardenas,M., McCann,R., Waterston,R., Wilson,R. and
Sibley,D.
TITLE
WashU-Merck Eimeria tenella project
JOURNAL
Unpublished (1999)
COMMENT
Contact: David Sibley, Ph.D.
WashU-Merck Eimeria tenella project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Contact David Sibley (toxest@borcim.wustl.edu) for further
information relating to organism, libraries, or clone availability.
Seq primer: -40RP from Gibco
High quality sequence stop: 1.
Location/Qualifiers
1. .25
/organism="Eimeria tenella"
/mol_type="mRNA"
/strain="LS18"
/db_xref="taxon:5802"
/dev_stage="Merozoite"
/lab_host="SOLR E. Coli"
/clone_lib="Eimeria M5-6 Merozoite stage"
/notes="Vector: Bluescript SK-; Site 1: EcoRI; Site 2:
XhoI; Merozoites were obtained from ceasal scrapings of
chickens infected with E. tenella. The library may
contain a small percentage of host or bacterial
contaminants. cDNA was synthesized from poly mRNA using
an oligo-dT primer containing a XhoI site. Following
second strand synthesis, EcoRI adaptors were ligated to
the cDNA and products were size-selected on Sephacryl
S500. cDNAs were digested with EcoRI/XhoI and cloned into
lambda Zap II (Stratagene). Clones were converted to
phagemids by mass excision using ExAssist helper phage and
SOLR cells (Stratagene). Insert sizes range from 0.7-1.5
kb."

ORIGIN
Query Match 0.7%; Score 15.6; DB 1; Length 25;
Best Local Similarity 81.8%; Pred. No. 7.6e+07;
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1452 AAGCGGCTGCCCTCTCTCTGC 1473
|||||
DB 4 AAGCCCTGCCCCCTCTCTGC 25

RESULT 19
LOCUS
CG714622 25 bp DNA linear GSS 20-OCT-2003
DEFINITION
1119037E09.2EL.y1 1119 - RescueMu Grid AA Zea mays genomic, genomic
survey sequence.
ACCESSION
CG714622 GI:37741156
VERSION
CG714622.1
KEYWORDS
GSS.
SOURCE
Zea mays
Zea mays
ORGANISM
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
1 (bases 1 to 25)
Walbot,V.
TITLE
Maize genomic sequences found using engineered RescueMu transposon
Unpublished (2001)
JOURNAL
CONTACT: Walbot V
Department of Biological Sciences

```



0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 15.6; DB 8; Length 28;  
Best Local Similarity 81.8%; Pred. No. 7.7e+07;  
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 734 TAGAGGTGAGAAACAGCAGGA 755  
Db 22 TGGATGGTGGAAACAGGAGGA 1

## RESULT 22

AZ618807/c

LOCUS

DEFINITION 1M0450N11R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0450N11 R, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

29 bp DNA linear GSS 13-DEC-2000  
Mus musculus (house mouse)  
Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 29)  
Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D. Weiss, R.  
Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts  
Unpublished (2000)  
Contact: Robert B. Weiss  
University of Utah Genome Center  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert Length: 10000 Std Error: 0.00  
Plate: 0450 row: N column: 11  
Seq primer: CACACAGGAACAGCTATGACC  
Class: plasmid ends  
High quality sequence stop: 29.

## FEATURES

source

1. .29  
Location/Qualifiers  
/organism="Mus musculus"  
/mol\_type="genomic DNA"  
/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGCIM0450N11"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, TI-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGCIM library"  
/note="Vector: pWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 15.6; DB 8; Length 29;  
Best Local Similarity 81.8%; Pred. No. 7.8e+07;  
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1174 CCGGCATCTTCTCCCGAGCCT 1195  
Db 28 CCCACATCAGCTCCCGAGTCT 7

## RESULT 23

CC455120

LOCUS

DEFINITION CC455120 29 bp DNA linear GSS 30-MAY-2003  
SALK\_055370.47.35.x Arabidopsis thaliana TDNA insertion lines Arabidopsis thaliana genomic clone SALK\_055370.47.35.x, genomic survey sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

GI:31214989  
Arabidopsis thaliana (thale cress)  
Arabidopsis thaliana  
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsi. 1 (bases 1 to 29)  
Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Shinn, P., Zimmerman, J. and Ecker, J.R.  
A Sequence-Indexed Library of Insertion Mutations in the Arabidopsis Genome  
Unpublished (2001)  
Contact: Joseph R. Ecker  
Salk Institute Genomic Analysis Laboratory (Signal)  
The Salk Institute for Biological Studies  
10310 N. Torrey Pines Road, La Jolla, CA 92037, USA  
Tel: 858 453 4100 x1752  
Fax: 858 558 6379  
Email: ecker@salk.edu  
This is single pass sequence recovered from the left border of TDNA.  
Class: TDNA tagged.

## FEATURES

source

1. .29  
Location/Qualifiers  
/organism="Arabidopsis thaliana"  
/mol\_type="genomic DNA"  
/ecotype="Col-0"  
/db\_xref="taxon:3702"  
/clone="SALK\_055370.47.35.x"  
/clone\_lib="Arabidopsis thaliana TDNA insertion lines"  
/note="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

## ORIGIN

Query Match 0.7%; Score 15.6; DB 8; Length 29;



Best Local Similarity 76.0%; Pred. No. 8.5e+07; Mismatches 6; Indels 0; Gaps 0;

Qy 1266 AACACACCTGTCCTCTCTCTTTGTG 1290  
 Db 1 AATACGATGTCCTCTCTCTTTGTG 25

## RESULT 26

AI756191

LOCUS

DEFINITION

E5ESTead0h07.y1 Eimeria S5-2 Sporozoite stage Eimeria tenella cDNA  
 5' similar to TR:Q64507 Q64507 SERINE 1 ULTRA HIGH SULFUR PROTEIN.

1 mRNA sequence.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Eimeriidae;

Eimeria.

REFERENCE

AUTHORS

1 (bases 1 to 28)  
 Liberato, P., Diaz, C., Tang, K., Marra, M., Hillier, L., Kucaba, T.,  
 Martin, J., Wylie, T., Underwood, K., Steptoe, M., Theising, B.,  
 Allen, M., Bowers, Y., Person, B., Swaller, T., Gibbons, M., Pape, D.,  
 Harvey, N., Schurk, R., Ritter, E., Kohn, S., Florence, N., Shin, T.,  
 Jackson, Y., Cardenas, M., McCann, R., Waterston, R., Wilson, R. and  
 Sibley, D.

TITLE

JOURNAL

COMMENT

WashU-Merck Eimeria tenella project  
 Unpublished (1999)  
 Contact: David Sibley, Ph.D.  
 WashU-Merck Eimeria tenella project  
 Washington University School of Medicine  
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA  
 Tel: 314 286 1800  
 Fax: 314 286 1810

Email: estewarton.wustl.edu

Contact David Sibley (toxest@borcim.wustl.edu) for further  
 information relating to organism, libraries, or clone availability.  
 Trace considered overall poor quality

Possible reversed clone: similarity on wrong strand

Seq primer: -40RP from Gibco

High quality sequence stop: 1.

## FEATURES

source

1..28  
 /organism="Eimeria tenella"  
 /mol\_type="mRNA"  
 /strain="LS18"  
 /db\_xref="taxon:5802"  
 /dev\_stage="Sporozoite"  
 /lab\_host="SOLR E. coli"  
 /clone\_lib="Eimeria S5-2 Sporozoite stage"  
 /notes="Vector: Bluescript SK-; Site 1: EcoRI; Site 2:  
 XhoI; Sporozoites were obtained from in vitro sporulated  
 and excysted oocysts of E. tenella grown in chickens.  
 cDNA was synthesized from poly mRNA using an oligo-dT  
 primer containing a XhoI site. Following second strand  
 synthesis, EcoRI adapters were ligated to the cDNA and  
 products were size-selected on Sephacryl S500. cDNAs were  
 digested with EcoRI/XhoI and cloned into lambda Zap II  
 (Stratagene). Clones were converted to phagemids by mass  
 excision using ExAssist helper phage and SOLR cells  
 (Stratagene). Insert sizes range from 1.2-2.9 kb."

## ORIGIN

Query Match 0.7%; Score 15.4; DB 1; Length 28;

Best Local Similarity 76.0%; Pred. No. 8.6e+07;

Mismatches 0; Mismatches 6; Indels 0; Gaps 0;

Qy 765 GCAGTGGCTGCGGACACCTGGCC 789

Db 2 GCAGTGGCTGCGGACACAGAGCC 26

## RESULT 27

AI758464/c

LOCUS

DEFINITION

29 bp mRNA linear EST 25-APR-2002

AU258464 3'-directed mouse cDNA library Mus musculus cDNA clone.

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Mus musculus (house mouse)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

1 (bases 1 to 29)  
 Kato, K. and Matoba, R.  
 Generation of expressed sequence tags from mouse brain  
 Unpublished (2002)  
 Contact: Kikuya Kato  
 Graduate School of Biological Sciences  
 Nara Institute of Science and Technology  
 8916-5 Takayama Ikoma, Nara 630-0101, Japan  
 Tel: 81-743-72-5581  
 Fax: 81-743-72-5589  
 Email: kkatobs.aist-nara.ac.jp/  
 URL: http://love.aist-nara.ac.jp/BED/index.html.

## FEATURES

source

1..29  
 /organism="Mus musculus"  
 /mol\_type="mRNA"  
 /db\_xref="taxon:10090"  
 /clone="BED0013042"  
 /tissue\_type="brain"  
 /clone\_lib="3'-directed mouse cDNA library"

## ORIGIN

Query Match 0.7%; Score 15.4; DB 1; Length 29;

Best Local Similarity 76.0%; Pred. No. 8.6e+07;

Mismatches 0; Mismatches 6; Indels 0; Gaps 0;

Qy 740 GTGAGAAACAGCAGCAGCAGGCT 764

Db 26 GTGGGAGACAGCAGGAGAGAGAT 2

## RESULT 28

BM399386

LOCUS

DEFINITION

29 bp mRNA linear EST 17-JAN-2002

5009-0-57-C01.t.2 Chilcoat/Turkewitz cDNA (large fraction)

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

Tetrahymena thermophila

Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;

Hymenostomatida; Tetrahymenina; Tetrahymena.

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

1 (bases 1 to 29)  
 Turkewitz, A.P., Karrer, K.M., Jahn, C., Orlas, E., Kirk, K.E.,  
 Frankel, J. and Klobutcher, L.  
 EST from Tetrahymena thermophila, strain CU428.1, growing cells  
 Unpublished (2002)  
 Contact: Turkewitz AP  
 Molecular Genetics and Cell Biology  
 University of Chicago  
 920 E. 58th Street, Chicago, IL 60637, USA  
 Tel: 773 702 4374  
 Fax: 773 702 3172  
 Email: apturkew@midway.uchicago.edu  
 Seq primer: T3.

## FEATURES

source

1..29  
 /organism="Tetrahymena thermophila"  
 /mol\_type="mRNA"

```

/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

ORIGIN
Query Match      0.7%; Score 15.4; DB 4; Length 23;
Best Local Similarity 76.0%; Pred. No. 8.6e+07;
Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 741 TGAGAAACAGCAGGACGAGGTG 765
|||||
Db 1 TGACAAAAGCTTGACCACGCGTG 25

RESULT 29
AZ789371
LOCUS      23 bp DNA linear GSS 16-FEB-2001
DEFINITION 2M037L01F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
clone UUGC2M0037L01 F, genomic survey sequence.
ACCESSION  AZ789371
VERSION     AZ789371.1 GI:12930098
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
ORGANISM    Mus musculus
REFERENCE   1 (bases 1 to 23)
AUTHORS    Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
Reilly,M., Rose,R., Rose,R., Stokes,R., Tingey,A., von
Niederhausern,A. and Wright,D. Weiss,R.
TITLE      Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
JOURNAL    Unpublished (2000)
COMMENT    Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0037 row: L column: 01
Seq primer: CGTTGTAAACGACGCGCAGT
Class: plasmid ends
High quality sequence stop: 23.

FEATURES
source
1..23
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC2M0037L01"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/notes="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of PWD42 (G14732114[gb|AF129072.1]), a copy-number

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```

inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."

ORIGIN
Query Match      0.7%; Score 15.2; DB 8; Length 23;
Best Local Similarity 85.0%; Pred. No. 9.3e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 686 AGTCTCGAGTCCCTTGCAGA 705
|||||
Db 4 AGTGTGATTCCTTGCAGA 23

RESULT 30
BM397341
LOCUS      26 bp mRNA linear EST 17-JAN-2002
DEFINITION 5009-0-31-D02.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
ACCESSION  BM397341
VERSION     BM397341.1 GI:18197394
KEYWORDS    EST.
SOURCE      Tetrahymena thermophila
ORGANISM    Tetrahymena thermophila
REFERENCE   1 (bases 1 to 26)
AUTHORS    Turkewitz,A.P., Karrer,K.M., Jahn,C., Orlas,E., Kirk,K.E.,
Frankel,J. and Klobutcher,L.
TITLE      EST from Tetrahymena thermophila, strain CU428.1, growing cells
JOURNAL    Unpublished (2002)
COMMENT    Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 3172
Email: apturkew@midway.uchicago.edu
Seq primer: T3.

FEATURES
source
1..26
/organism="Tetrahymena thermophila"
/mol_type="mRNA"
/strain="CU428.1"
/db_xref="taxon:5911"
/clone_lib="Chilcoat/Turkewitz cDNA (large fraction)"
/notes="Vector: Bluescript2 SK+; Details on library
preparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

ORIGIN
Query Match      0.7%; Score 15.2; DB 4; Length 26;
Best Local Similarity 85.0%; Pred. No. 9.4e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 830 GAGACCAGACGACGCGGG 849
|||||
Db 1 GACAACTGAGCCACGCGGG 20

RESULT 31
AU264485
LOCUS      27 bp mRNA linear EST 26-APR-2004
DEFINITION AU264485 VS Dictyostelium discoideum cDNA clone VSD734 5', mRNA
sequence.
ACCESSION  AU264485
VERSION     AU264485.1 GI:20523283
KEYWORDS    EST.
SOURCE      Dictyostelium discoideum
ORGANISM    Dictyostelium discoideum

```



```

REFERENCE
AUTHORS   Eukaryota; Mycetozoa; Dictyostelidia; Dictyostelium.
          1 (bases 1 to 27)
TITLE     Urushihara,H., Morio,T., Saito,T., Kohara,Y., Koriki,E., Ochiai,H.,
          Maeda,M., Williams,J.G., Takeuchi,I. and Tanaka,Y.
          Analyses of cDNAs from growth and slug stages of Dictyostelium
          discoideum
JOURNAL   Nucleic Acids Res. 32 (5), 1647-1653 (2004)
COMMENT   Contact: Hideko Urushihara
          Institute of Biological Sciences
          University of Tsukuba
          1-1-1 Tennoudai, Tsukuba, Ibaraki 305-8572, Japan
          Tel: 81-298-53-4664
          Fax: 81-298-53-6614
          Email: hideko@biol.tsukuba.ac.jp.
          Location/Qualifiers
            1..27
              /organism="Dictyostelium discoideum"
              /mol_type="mRNA"
              /strain="AX4"
              /db_xref="taxon:44689"
              /clone="VSD734"
              /sex="mat A"
              /dev_stage="vegetative"
              /clone_lib="VS"

ORIGIN
Query Match      0.7%; Score 15.2; DB 1; Length 27;
Best Local Similarity 85.0%; Pred. No. 9.5e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1444 AACATCGCAAGCGGTGCC 1463
      ||||| ||||| |||||
Db 6 AGCATCGGAGCGCGGCC 25

RESULT 32
TA264D03P
LOCUS     TA264D03P
DEFINITION T. brucei sheared genomic DNA clone 264d03, forward sequence,
          Genomic survey sequence.
ACCESSION AL484006
VERSION   AL484006.1 GI:11849966
KEYWORDS  GSS.
SOURCE    Trypanosoma brucei
          Trypanosoma brucei
          Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
          Trypanosoma.
          1 (bases 1 to 27)
REFERENCE Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
          Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
          Melville,S.E., Rajandream,M.A. and Barrell,B.G.
          Direct Submission
JOURNAL   Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
          Project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
          Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and
          nh@sanger.ac.uk
COMMENT   Constructed at the Institute for Genomic Research (TIGR),
          Rockville, MD. Genomic DNA isolated from a cloned population of
          Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
          to give a tight size distribution (
          4 kb). The v + i method used for the library construction is
          described in detail in Smith, H. and Venter, J.C. (Making small
          insert libraries for whole genome shotgun sequencing projects. In
          Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
          Barrell, Oxford University Press, 1999).
          Email: nelsayed@tigr.org
          Details of T. brucei sequencing at the Sanger Centre are available
          at http://www.sanger.ac.uk/Projects/T_brucei/.
          Location/Qualifiers
            1..27
              /organism="Trypanosoma brucei"
              /mol_type="genomic DNA"
              /strain="TREU927"

FEATURES
          source
            1..27
              /organism="Trypanosoma brucei"
              /mol_type="genomic DNA"
              /strain="TREU927"

```

```

          /db_xref="taxon:5691"
          /clone="264d03"

ORIGIN
Query Match      0.7%; Score 15.2; DB 9; Length 27;
Best Local Similarity 85.0%; Pred. No. 9.5e+07;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 541 TGCCGCGATTCGCGGCAC 560
      ||||| ||||| |||||
Db 2 TGCCGCGCTTCGCGGCAAC 21

RESULT 33
AA877007/c
LOCUS     AA877007
DEFINITION ny49h08.s1 NCI CGAP Pxl2 Homo sapiens cDNA clone IMAGE:1275135
          similar to TR:Q13765 Q13765 NASCENT POLYPEPTIDE ASSOCIATED COMPLEX
          ALPHA SUBUNIT.; mRNA sequence.
ACCESSION AA877007
VERSION   AA877007.1 GI:2986084
KEYWORDS  EST.
SOURCE    Homo sapiens (human)
          Homo sapiens
          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
          Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
          1 (bases 1 to 28)
REFERENCE NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
          National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
          Tumor Gene Index
          Unpublished (1997)
JOURNAL   Contact: Robert Strausberg, Ph.D.
          Email: cgapbs@mail.nih.gov
          Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D.,
          Rodrigo F. Chuqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.
          cDNA Library Preparation: David B. Krizman, Ph.D.
          cDNA Library Arrayed by: Greg Lennon, Ph.D.
          DNA Sequencing by: Washington University Genome Sequencing Center
          Clone distribution: NCI-CGAP clone distribution information can be
          found through the I.M.A.G.E. Consortium/LLNL at:
          www-bio.llnl.gov/bbrp/image/image.html
          Seq primer: -40ml3 fwd. ET from Amersham
          High quality sequence stop: 1.
          Location/Qualifiers
            1..28
              /organism="Homo sapiens"
              /mol_type="mRNA"
              /db_xref="taxon:9606"
              /clone="IMAGE:1275135"
              /sex="male"
              /tissue_type="metastatic prostate bone lesion"
              /lab_host="DH10B"
              /clone_lib="NCI CGAP Pxl2"
              /note="Vector: pAMP10; mRNA made from metastatic prostate
              lesion of the bone, cDNA made by oligo-dT priming.
              Non-directionally cloned. Size-selected on agarose gel,
              average insert size 600 bp. Library made by D. Krizman,
              NIH."

ORIGIN
Query Match      0.7%; Score 15.2; DB 1; Length 28;
Best Local Similarity 71.4%; Pred. No. 9.5e+07;
Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1635 CAGGGTCTCACTGTACAAAGTGGCGGCG 1662
      ||||| ||||| |||||
Db 28 CAGACTCCAACCTGACAGAGAGAGATG 1

RESULT 34
AI804637/c
LOCUS     AI804637
DEFINITION tc81h03.x1 NCI-CGAP_CLL1 Homo sapiens cDNA clone IMAGE:2072597 3',

```

similar to TR:Q04117 Q04117 SALIVARY PROLINE-RICH PROTEIN RP4  
 PRECURSOR. ; contains element MSRL repetitive element ; , mRNA  
 sequence.  
 VERSION AI804637  
 KEYWORDS  
 SOURCE  
 ORGANISM  
 Homo sapiens (human)  
 Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 1 (bases 1 to 28)  
 NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.  
 National Cancer Institute, Cancer Genome Anatomy Project (CGAP),  
 Tumor Gene Index  
 Unpublished (1997)  
 Contact: Robert Strausberg, Ph.D.  
 Email: cgapbs-remail.nih.gov  
 Tissue Procurement: Ash Alizadeh, John Byrd, M.D., Mike Grever,  
 M.D., Louis M. Staudt, M.D., Ph.D.  
 cDNA Library Preparation: M. Bento Soares, Ph.D.  
 cDNA Library Arrayed by: Greg Lennon, Ph.D.  
 DNA Sequencing by: Washington University Genome Sequencing Center  
 Clone distribution: NCI-CCAP clone distribution information can be  
 found through the I.M.A.G.E. Consortium/LLNL at:  
 www-bio.llnl.gov/bbrp/image/image.html

Trace considered overall poor quality  
 Insert Length: 304 Std Error: 0.00  
 Seq primer: -40UP from Gibco  
 High quality sequence stop: 1.  
 Location/Qualifiers

1. 28  
 /organism="Homo sapiens"  
 /mol\_type="mRNA"  
 /db\_xref="taxon:9606"  
 /clone="IMAGS:2072597"  
 /tissue\_type="B-cell, chronic lymphocytic leukemia"  
 /lab\_host="DH10B"  
 /clone\_lib="NCI-CCAP CLL1"  
 /notes="Vector: pT73D-Pac (Pharmacia) with a modified  
 polylinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDNA  
 was primed with a Not I - oligo(dT) primer [5',  
 TGTACCAATCTCAAGTCGAGCGCGCGATTGCTTTTCTTTTCTTTT  
 T 3']; double-stranded cDNA was ligated to Eco RI  
 adaptors (Pharmacia), digested with Not I and cloned into  
 the Not I and Eco RI sites of the modified pT73 vector.  
 Library is normalized, and was constructed by Bento  
 Soares and M.Fatima Bonaldo."

ORIGIN  
 Query Match 0.7%; Score 15.2; DB 1; Length 28;  
 Best Local Similarity 71.4%; Pred. No. 9.5e+07;  
 Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
 QY 1563 GCCCCTACTGCTCTGCGGGGTGGGG 1590  
 Db 28 GGCCCCCGGGGTCTTGGGGGTGGGG 1

RESULT 35  
 AZ591936  
 LOCUS  
 DEFINITION IM0402J20F Mouse 10kb plasmid UUGC1M library Mus musculus genomic  
 clone UUGC1M0402J20 F, genomic survey sequence.  
 ACCESSION AZ591936  
 VERSION AZ591936.1 GI:11714126  
 KEYWORDS  
 SOURCE  
 ORGANISM  
 Mus musculus (house mouse)  
 Mus musculus  
 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 1 (bases 1 to 28)  
 Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,  
 Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von  
 Niederhausen,A. and Wright,D. Weiss,R.  
 Mouse whole genome scaffolding with paired end reads from 10kb  
 plasmid inserts  
 Unpublished (2000)  
 Contact: Robert B. Weiss  
 University of Utah Genome Center  
 University of Utah  
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0402 row: J column: 20  
 Seq primer: CGTTGTAAACGACGGCCAGT  
 Class: plasmid ends  
 High quality sequence stop: 28.  
 Location/Qualifiers

1. 28  
 /organism="Mus musculus"  
 /mol\_type="genomic DNA"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UUGC1M0402J20"  
 /sex="Male"  
 /lab\_host="E. Coli strain XL10-Gold, TI-resistant, F-"  
 /clone\_lib="Mouse 10kb plasmid UUGC1M library"  
 /note="Vector: PWD42nv; Purified genomic DNA from M.  
 musculus C57BL/6J (male) was obtained from the Jackson  
 Laboratory Mouse DNA Resource  
 (http://www.jax.org/resources/documents/dnares/). The DNA  
 was hydrodynamically sheared by repeated passage through a  
 0.005 inch orifice at constant velocity. The sheared DNA  
 was blunt end-repaired with T4 DNA polymerase and T4  
 polynucleotide kinase. Adaptor oligonucleotides were  
 ligated to the blunt ends in high molar excess. The  
 adaptor DNA was purified and size-selected for a 9.5 to  
 10.5 kb range using preparative agarose gel  
 electrophoresis. Vector DNA was prepared from a derivative  
 of pWD42 (gi|4732114|gb|AF129072.1), a copy-number  
 inducible derivative of plasmid R1. The vector was ligated  
 with adaptors complementary to the insert adaptors and  
 purified. The sheared, adaptor mouse DNA was annealed to  
 adaptor vector DNA, and transformed into  
 chemically-competent E. coli XL10-Gold (Stratagene) cells  
 and selected for ampicillin resistance."

ORIGIN  
 Query Match 0.7%; Score 15.2; DB 8; Length 28;  
 Best Local Similarity 85.0%; Pred. No. 9.5e+07;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 1042 CTCAGGACCTGGCGATGGC 1061  
 Db 7 CTGAAGGACCTGGATATGGC 26

RESULT 36  
 TA223E04P/c  
 LOCUS  
 DEFINITION T. brucei sheared genomic DNA clone 223e04, forward sequence,  
 genomic survey sequence.  
 ACCESSION AL480267  
 VERSION AL480267.1 GI:11846047  
 KEYWORDS  
 SOURCE  
 ORGANISM  
 Trypanosoma brucei  
 Trypanosoma brucei  
 Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;  
 Trypanosoma.  
 1 (bases 1 to 28)  
 Hall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,

Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L., Melville, S.E., R. Andrean, M.A. and Barrell, B.G.  
 Direct Submission  
 Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, E-mail: barrell@sanger.ac.uk and nh@sanger.ac.uk  
 COMMENT  
 Constructed at the Institute for Genomic Research (TIGR), Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared to give a tight size distribution (4 kb). The v + i method used for the library construction is described in detail in Smith, H. and Venter, J.C. (Making small insert libraries for whole genome shotgun sequencing projects. In Genome Sequencing: A Practical Approach, eds. M. Vaudin and B. Barrell, Oxford University Press, 1999).  
 Email: nelsayed@tigr.org  
 Details of T. brucei sequencing at the Sanger Centre are available at [http://www.sanger.ac.uk/Projects/T\\_brucei/](http://www.sanger.ac.uk/Projects/T_brucei/).  
 FEATURES  
 source  
 1. .28  
 /organism="Trypanosoma brucei"  
 /mol\_type="genomic DNA"  
 /strain="TREU927"  
 /db\_xref="taxon:5691"  
 /clone="223e04"  
 ORIGIN  
 Query Match 0.7%; Score 15.2; DB 9; Length 28;  
 Best Local Similarity 85.0%; Pred. No. 9.5e+07;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 QY 1294 ATGAAGGCGCGAATGACGC 1313  
 |||||  
 Db 27 ATGAGGCGCCCAATCAGC 8  
 RESULT 37  
 CR403528/c  
 LOCUS  
 DEFINITION  
 Arabidopsis thaliana T-DNA flanking sequence GK-864A05-025981, genomic survey sequence.  
 ACCESSION  
 CR403528  
 VERSION  
 CR403528.1 GI:46944256  
 KEYWORDS  
 GSS.  
 SOURCE  
 Arabidopsis thaliana (thale cress)  
 ORGANISM  
 Arabidopsis thaliana  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eustosids II; Brassicales; Brassicaceae; Arabidopsis.  
 REFERENCE  
 1  
 Li, Y., Rosso, M.G., Strizhov, N., Viehovever, P. and Weishaar, B. GABI-kat Simplesearch: a flanking sequence tag (FST) database for the identification of T-DNA insertion mutants in Arabidopsis thaliana  
 Bioinformatics 19 (11), 1441-1442 (2003)  
 JOURNAL  
 MEDLINE  
 PUBMED  
 22755829  
 12874060  
 REFERENCE  
 2  
 Rosso, M.G., Li, Y., Strizhov, N., Reiss, B., Dekker, K. and Weishaar, B.  
 An Arabidopsis thaliana T-DNA mutagenized population (GABI-Kat) for flanking sequence tag-based reverse genetics  
 Plant Mol. Biol. 53 (1-2), 247-259 (2003)  
 JOURNAL  
 MEDLINE  
 PUBMED  
 23117147  
 14756321  
 REFERENCE  
 3  
 Strizhov, N., Li, Y., Rosso, M.G., Viehovever, P., Dekker, K.A. and Weishaar, B.  
 High-throughput generation of sequence indexes from T-DNA mutagenized Arabidopsis thaliana lines  
 Biotechniques 35 (6), 1164-1168 (2003)  
 JOURNAL  
 PUBMED  
 14682050

4 (bases 1 to 30)  
 Strizhov, N., Rosso, M.G., Li, Y. and Weishaar, B.  
 Direct Submission  
 Submitted (01-MAY-2004) Weishaar B., Max-Planck-Institut fuer Zuchtungsforchung, Carl-von-Linne-Weg 10, Koeln, 50829, Germany  
 This sequence has been recovered from the left border of the T-DNA. It indicates an insertion close to or within gene At5g35790.  
 Details on the protocols used for generation of the sequence are described in References 1-3. The sequences are generated at the MPI for Plant Breeding Research in the context of the GABI-Kat project.  
 'GABI-Kat' is part of the German Plant Genomics program designated 'GABI'. Information on line availability can be found at:  
<http://www.mpiz-koeln.mpg.de/GABI-kat/>.  
 Location/Qualifiers  
 1. .30  
 /organism="Arabidopsis thaliana"  
 /mol\_type="genomic DNA"  
 /strain="Columbia 0"  
 /db\_xref="taxon:3702"  
 /clone="GK-864A05-025981"  
 /ecotype="Col-0"  
 /note="PCR was performed on DNA from Arabidopsis thaliana plants (Ti) which were transformed with the T-DNA from vector pAC161 (GenBank accession number: AJ537514). The lines contain one or more T-DNA insertions. The DNA fragment(s) resulting from the PCR were directly sequenced to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed."  
 ORIGIN  
 Query Match 0.7%; Score 15.2; DB 9; Length 30;  
 Best Local Similarity 71.4%; Pred. No. 9.6e+07;  
 Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
 QY 515 ACGAGTCCCGGAGAGCCTGAGCTG 542  
 |||||  
 Db 29 ACAAGTTCTCGGACATGCTGAGCTG 2  
 RESULT 38  
 CR888357/c  
 LOCUS  
 DEFINITION  
 Arabidopsis thaliana genomic clone SALK\_151745.32.65.n, genomic survey sequence.  
 ACCESSION  
 CR888357  
 VERSION  
 CR888357.1 GI:33364906  
 KEYWORDS  
 GSS.  
 SOURCE  
 Arabidopsis thaliana (thale cress)  
 ORGANISM  
 Arabidopsis thaliana  
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids; eustosids II; Brassicales; Brassicaceae; Arabidopsis.  
 REFERENCE  
 1 (bases 1 to 30)  
 Alonso, J.M., Leisse, T.J., Barajas, P., Chen, H., Cheuk, R., Gadrinab, C., Jeske, A., Karnes, M., Kim, C.J., Parker, H., Prednis, L., Sinn, P., Zimmerman, J. and Ecker, J.R.  
 A Sequence-indexed Library of Insertion Mutations in the Arabidopsis Genome  
 Unpublished (2001)  
 Contact: Joseph R. Ecker  
 Salk Institute Genomic Analysis Laboratory (SIGNAL)  
 The Salk Institute for Biological Studies  
 10010 N. Torrey Pines Road, La Jolla, CA 92037, USA  
 Tel: 858 453 4100 x1752  
 Fax: 858 558 6379  
 Email: ecker@salk.edu  
 This is single pass sequence recovered from the left border of T-DNA. This sequence lies within 300 bases of the 5' end of At3g51240.  
 Class: T-DNA tagged.  
 Location/Qualifiers

source

1. .30  
 /organism="Arabidopsis thaliana"  
 /mol\_type="genomic DNA"  
 /ecotype="Col-0"  
 /db\_xref="taxon:3702"  
 /clone="SALK\_151745.32.65.n"  
 /clone\_lib="Arabidopsis thaliana TDNA insertion lines"  
 /notes="PCR was performed on Arabidopsis thaliana lines each of which contains one or more TDNA insertion elements. The resultant fragment for each line was directly sequenced to determine the genomic sequence at the site of insertion. Details of the protocols used can be found at [http://signal.salk.edu/tdna\\_protocols.html](http://signal.salk.edu/tdna_protocols.html)"

## ORIGIN

Query Match 0.7%; Score 15.2; DB 9; Length 30;  
 Best Local Similarity 71.4%; Pred. No. 9.6e+07;  
 Matches 20; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 615 AACTGTGACGGCTGGCGGAGAGAG 642

DB 30 AGCTTGTGATGACTGACGACGAGAGG 3

## RESULT 39

AZ315824/c  
 LOCUS AZ315824 23 bp DNA linear GSS 29-SEP-2000  
 DEFINITION IM0033011F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0033011 F, genomic survey sequence.

ACCESSION AZ315824

VERSION AZ315824.1 GI:10363039

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

## ORGANISM

Mus musculus  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 1 (bases 1 to 23)

## REFERENCE

AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamill, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,

Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von

Niederhauser, A., and Wright, D., Weis, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

## JOURNAL

COMMENT Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00

Plate: 0033 row: 0 column: 11

Seq primer: CGTGTAAACGACGGCCACT

Class: plasmid ends

High quality sequence stop: 23.

## FEATURES

source

1. .23

/organism="Mus musculus"

/mol\_type="genomic DNA"

/strain="C57BL/6J"

/db\_xref="taxon:10090"

/clone="UUGC1M0033011"

/sex="Male"

/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone\_lib="Mouse 10kb plasmid UUGC1M library"

/notes="Vector: pMD42nv; Purified genomic DNA from M.

musculus C57BL/6J (male); was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.jax.org/resources/documents/dnares/>). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA

was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (GI4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid p1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

## ORIGIN

Query Match 0.7%; Score 15; DB 8; Length 23;  
 Best Local Similarity 78.3%; Pred. No. 1e+08;  
 Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 125 TGGGGACCAAGCTGGAAGCAAG 147

DB 23 TGGGGACATGCTTAAGCAAG 1

## RESULT 40

AI453742/c

LOCUS AI453742

DEFINITION

tj39g05.x1 NCI CGAP Pan1 Homo sapiens cDNA clone IMAGE:2143928 3,

similar to SW:EB4D\_HUMAN Q14914 NADP-DEPENDENT LEUKOTRIENE B4

12-HYDROXYDEHYDROGENASE ;, mRNA sequence.

ACCESSION AI453742

VERSION AI453742.1 GI:4284342

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

1 (bases 1 to 25)

NCI-CGAP <http://www.ncbi.nlm.nih.gov/ncicgap>.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP),

Tumor Gene Index

Unpublished (1997)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Life Technologies catalog #: 11548-013

DNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-CGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL at:

[www-bio.llnl.gov/bbrp/image/image.html](http://www-bio.llnl.gov/bbrp/image/image.html)

Trace considered overall poor quality

Seq primer: -40Up from Gibco

High quality sequence stop: 1.

Location/Qualifiers

1. .25

/organism="Homo sapiens"

/mol\_type="mRNA"

/db\_xref="taxon:9606"

/clone="IMAGE:2143928"

/tissue\_type="adenocarcinoma"

/lab\_host="DH10B"

/clone\_lib="NCI CGAP Pan1"

/note="Organ: pancreas; Vector: pCMV-SPORT6; Site 1: Salt;

Site 2: NotI; Cloned unidirectionally. Primer: Oligo dt.

Average insert size 1.72 kb. Life Technologies catalog #:

11548-013"

## ORIGIN

Query Match 0.7%; Score 15; DB 1; Length 25;  
 Best Local Similarity 78.3%; Pred. No. 1e+08;  
 Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 726 CGACGCGTAGAGGCTGAGAAAC 748

```

Db      23 CAAGACGGTAGAGTCTATGAAC 1
|||||
RESULT 41
AZ595024      25 bp      DNA      linear      GSS 13-DEC-2000
LOCUS      IM0407D23F Mouse 10kb plasmid UUGCLM library Mus musculus genomic
DEFINITION      clone UUGCLM0407D23 F, genomic survey sequence.
ACCESSION      AZ595024
VERSION      1
KEYWORDS      GSS.
SOURCE      Mus musculus (house mouse)
ORGANISM      Mus musculus

REFERENCE
AUTHORS      Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
            Ismail,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T.,
            Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von
            Niederhausern,A. and Wright,D..Weiss,R.
TITLE      Mouse whole genome scaffolding with paired end reads from 10kb
            plasmid inserts
JOURNAL      Unpublished (2000)
COMMENT      Contact: Robert B. Weiss
            University of Utah Genome Center
            University of Utah
            Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
            84112, USA
            Tel: 801 585 5606
            Fax: 801 585 7177
            Email: ddunn@genetics.utah.edu
            Insert Length: 10000 Std Error: 0.00
            Plots: 0407 row: D column: 23
            Seq primer: CGTGTAAACGACGCGCCAGT
            Class: Plasmid ends
            High quality sequence stop: 25.
FEATURES
source      1..25
            /organism="Mus musculus"
            /mol_type="genomic DNA"
            /strain="C57BL/6J"
            /db_xref="taxon:10090"
            /clone="UUGCLM0407D23"
            /sex="Male"
            /lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
            /clone_lib="Mouse 10kb plasmid UUGCLM library"
            /notes="Vector: FWD42nv; Purified genomic DNA from M.
            musculus C57BL/6J (male) was obtained from the Jackson
            Laboratory Mouse DNA Resource
            (http://www.jax.org/resources/documents/dnares/). The DNA
            was hydrodynamically sheared by repeated passage through a
            0.005 inch orifice at constant velocity. The sheared DNA
            was blunt end-repaired with T4 DNA polymerase and T4
            polynucleotide kinase. Adaptor oligonucleotides were
            ligated to the blunt ends in high molar excess. The
            adaptored DNA was purified and size-selected for a 9.5 to
            10.5 kb range using preparative agarose gel
            electrophoresis. Vector DNA was prepared from a derivative
            of pWD42 (gi|4732114|gb|AF129072.1), a copy-number
            inducible derivative of plasmid R1. The vector was ligated
            with adaptors complementary to the insert adaptors and
            purified. The sheared, adaptored mouse DNA was annealed to
            adaptored vector DNA, and transformed into
            chemically-competent E. coli XL10-Gold (Stratagene) cells
            and selected for ampicillin resistance."
ORIGIN
Query Match      0.7%; Score 15; DB 8; Length 25;
Best Local Similarity      78.3%; Pred. No. 1e+08;
Matches      18; Conservative      0; Mismatches      5; Indels      0; Gaps      0;

QY      2078 CCTGGGTGCTGTCTGCACAG 2100
|||||
Db      23 CAAGACGGTAGAGTCTATGAAC 1
|||||
RESULT 42
AZ587447/c
LOCUS      AJ587447/c
DEFINITION      Arabidopsis thaliana T-DNA flanking sequence, left border, clone
            278F11, genomic survey sequence.
ACCESSION      AJ587447
VERSION      1
KEYWORDS      GSS; left border; T-DNA flanking sequence.
SOURCE      Arabidopsis thaliana (thale cress)
ORGANISM      Arabidopsis thaliana

REFERENCE
AUTHORS      Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F.,
            Chauvin,S., Bechtold,N., Cruaud,C., Derose,R., Pelletier,G.,
            Lepiniec,L., Caboche,M. and Leclarny,A.
TITLE      T-DNA integration into the Arabidopsis genome depends on sequences
            of pre-insertion sites
JOURNAL      EMBO Rep. 3 (12), 1152-1157 (2002)
MEDLINE      22363535
PMID      12446565
REFERENCE      2 (bases 1 to 25)
AUTHORS      Balzergue,S.
TITLE      Direct Submision
JOURNAL

COMMENT      PCR was performed on DNA from transformants of Arabidopsis thaliana
            plants from INRA (Versailles). The DNA fragment(s) resulting from
            the PCR were directly sequenced from the left or the right border
            to determine the genomic sequence flanking the insertion. T-DNA
            derived sequences were removed. Information to order the
            corresponding mutant line and a link to a database providing a
            graphical display of the insertion site are available at
            http://dbsgap-versailles.inra.fr/publiclines/. This sequence has
            been generated in the framework of the French plant genomics
            program "Genoplatane" (http://www.genoplatane.com and
            http://genoplatane-info.infobiogen.fr).
FEATURES
source      1..25
            /organism="Arabidopsis thaliana"
            /mol_type="genomic DNA"
            /cultivar="Wassilewskija"
            /db_xref="taxon:3702"
            /clone="278F11"
            /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
            /misc_feature      1..25
            /note="T-DNA flanking sequence
            left border"
ORIGIN
Query Match      0.7%; Score 15; DB 9; Length 25;
Best Local Similarity      78.3%; Pred. No. 1e+08;
Matches      18; Conservative      0; Mismatches      5; Indels      0; Gaps      0;

QY      698 CTTGCAGATTCACGCCATCGC 720
            |||||
Db      24 CTTGCAAAATGCCAGGTATAGGC 2
            |||||
RESULT 43
CL693166/c
LOCUS      CL693166/c
DEFINITION      PRI0160a_G12_2 - PRI0160a.BR (25) Mixed stage fosmid library of P.
            pacificus var. California Pristionchus pacificus genomic, genomic
            survey sequence.
ACCESSION      CL693166
VERSION      CL693166.1
KEYWORDS      GSS.
            CL693166.1 GI:50215074
            GSS.
QY      2078 CCTGGGTGCTGTCTGCACAG 2100

```

```

SOURCE
ORGANISM Pristionchus pacificus
Pristionchus pacificus
Eukaryota; Metazoa; Nematoda; Chromadorea; Diplogasterida;
Neodiplogasteridae; Pristionchus.
REFERENCE
1 (bases 1 to 25)
AUTHORS Srinivasan,J., Otto,G.W., Kahlow,U., Geisler,R. and Sommer,R.J.
TITLE AppADB: An AcedB database for the nematode satellite organism
JOURNAL Pristionchus pacificus
COMMENT Nucleic Acids Res. 32 (1), D421-D422 (2004)
Contact: Sommer RJ
Evolutionary Biology
Max-Planck-Institute for Developmental Biology
Spemannstr. 37-39, Tuebingen D-72076, Germany
Tel: 00497071601371
Fax: 00497071601498
Email: ralf.sommer@tuebingen.mpg.de
This library was generated at Caltech, Pasadena, USA and end
sequenced at Vancouver, Canada.
Seq primer: 17
Class: fosmid ends.
FEATURES
source Location/Qualifiers
1..25
/organism="Pristionchus pacificus"
/mol_type="genomic DNA"
/strain="california"
/db_xref="taxon:54126"
/clone_lib="Mixed stage fosmid library of P. pacificus
var. California"
/note="Vector: pEpifos-5 Fosmid vector"
ORIGIN
Query Match 0.7%; Score 15; DB 9; Length 25;
Best Local Similarity 78.3%; Pred. No. 1e+08;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 2157 CCTCTGCTCAGACACTGTGGG 2179
|||||
DB 23 CCTCTGGCGATTAATGTGGG 1
|||||
RESULT 44
CG708385/c
LOCUS 27 bp DNA linear GSS 20-OCT-2003
DEFINITION 111909A09.2EL.x1 1119 - RescueMu Grid AA Zea mays genomic, genomic
survey sequence.
ACCESSION CG708385
VERSION CG708385.1 GI:37734291
KEYWORDS GSS.
SOURCE Zea mays
ORGANISM Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
REFERENCE
1 (bases 1 to 27)
AUTHORS Walbot,V.
TITLE Maize genomic sequences found using engineered RescueMu transposon
JOURNAL Unpublished (2001)
COMMENT Contact: Walbot V
Department of Biological Sciences
Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
Possible ligation site of ends cut by 2 different endonucleases.
Reverse complemented post-ligation sequence from source sequence.
Plate: 111909 row: A column: 09
Class: transposon-tagged.
FEATURES
source Location/Qualifiers
1..27
/organism="Zea mays"
/mol_type="genomic DNA"
/cultivar="mixed background W23/A188/B73/K55"

```

```

/db_xref="taxon:4577"
/tissue_type="leaf"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="1119 - RescueMu Grid AA"
/note="Organ: leaf; Vector: RescueMu (engineered from
pBluescript backbone); Site:1: BamHI, Site_2: BglII;
RescueMu is a 4.9 kb, modified maize Mu transposon
designed to allow plasmid rescue from total genomic DNA.
Mu elements insert preferentially into transcription
units. For more information on RescueMu, go to the web
site 'www.zmdb.lastate.edu' and follow the links for
'RescueMu.' Grid AA was grown at UC San Diego in 2002. DNA
was extracted from leaf strips, double digested using
BamHI and BglII, and ligated to form circular plasmids.
DH10B cells were transformed and then screened on LB
plates with ampicillin."
ORIGIN
Query Match 0.7%; Score 15; DB 9; Length 27;
Best Local Similarity 78.3%; Pred. No. 1.1e+08;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 917 TCCTGAACCGGAGGTGGAGAGG 939
|||||
DB 23 TGCTGAACCGGGAACCTGGAGAAG 1
|||||
RESULT 45
AU257198/c
LOCUS 29 bp mRNA linear EST 25-APR-2002
DEFINITION AU257198 3'-directed mouse cDNA library Mus musculus cDNA clone
BED0009981 3', mRNA sequence.
ACCESSION AU257198
VERSION AU257198.1 GI:20321583
KEYWORDS EST.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.
REFERENCE
1 (bases 1 to 29)
AUTHORS Kato,X. and Matoba,R.
TITLE Generation of expressed sequence tags from mouse brain
JOURNAL Unpublished (2002)
COMMENT Contact: Kikuya Kato
Graduate School of Biological Sciences
Nara Institute of Science and Technology
8916-5 Takayama, Ikoma, Nara 630-0101, Japan
Tel: 81-743-72-5581
Fax: 81-743-72-5589
Email: kkatob@is.nara.ac.jp,
URL:http://love2.aist-nara.ac.jp/BED/index.html.
FEATURES
source Location/Qualifiers
1..29
/organism="Mus musculus"
/mol_type="mRNA"
/db_xref="taxon:10090"
/clone="BED000981"
/tissue_type="brain"
/clone_lib="3'-directed mouse cDNA library"
ORIGIN
Query Match 0.7%; Score 15; DB 1; Length 29;
Best Local Similarity 78.3%; Pred. No. 1.1e+08;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
QY 1841 CCTTGCTGCTCTGTCAGTGAAG 1863
|||||
DB 26 CCTTGGTCTCTTGAGAGAGAAG 4
|||||
RESULT 46
C0787079

```





COMMENT Contact: Robert B. Weiss  
University of Utah Genome Center  
University of Utah  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT  
84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177  
Email: ddunn@genetics.utah.edu  
Insert Length: 10000 Std Error: 0.00  
Plate: 0486 row: 8 column: 18  
Seq primer: CACACAGGAACACGCTATGACC  
Class: plasmid ends  
High quality sequence stop: 30.  
Location/Qualifiers  
source  
1. .30  
/organism="Mus musculus"  
/mol\_type="genomic DNA"  
/strain="C57BL/6J"  
/db\_xref="taxon:10090"  
/clone="UUGC1M0486B18"  
/sex="Male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/clone\_lib="Mouse 10kb plasmid UUGC1M library"  
/notes="Vector: PWD42nv; Purified genomic DNA from M.  
musculus C57BL/6J (male) was obtained from the Jackson  
Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA  
was hydrodynamically sheared by repeated passage through a  
0.005 inch orifice at constant velocity. The sheared DNA  
was blunt end-repaired with T4 DNA polymerase and T4  
polynucleotide kinase. Adaptor oligonucleotides were  
ligated to the blunt ends in high molar excess. The  
adapted DNA was purified and size-selected for a 9.5 to  
10.5 kb range using preparative agarose gel  
electrophoresis. Vector DNA was prepared from a derivative  
of pWD42 (GI4732114|gb|AF129072.1), a copy-number  
inducible derivative of plasmid R1. The vector was ligated  
with adaptors complementary to the insert adaptors and  
purified. The sheared, adapted mouse DNA was annealed to  
adapted vector DNA, and transformed into  
chemically-competent E. coli XL10-Gold (Stratagene) cells  
and selected for ampicillin resistance."

ORIGIN  
Query Match 0.7%; Score 15; DB 8; Length 30;  
Best Local Similarity 78.3%; Pred. No. 1.1e+08;  
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2105 GGTCTGTGCCACCTTGCCACGCG 2127  
|||||  
Db 24 GGTGTGTGCCACCACTGCGCGGC 2

RESULT 49  
BM400727  
LOCUS BM400727 26 bp mRNA linear EST 17-JAN-2002  
DEFINITION Tetrahymena thermophila cDNA, mRNA sequence.  
ACCESSION BM400727.1 GI:18200780  
VERSION EST.  
KEYWORDS Tetrahymena thermophila  
SOURCE Tetrahymena thermophila  
ORGANISM Tetrahymena thermophila  
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;  
Hymenostomatida; Tetrahymenina; Tetrahymena.  
1 (bases 1 to 26)  
REFERENCE Turkewitz, A.P., Karrer, K.M., Jahn, C., Orías, E., Kirk, K.E.,  
Frankel, J. and Klobutcher, L.  
EST from Tetrahymena thermophila, strain CU428.1, growing cells  
Unpublished (2002)  
JOURNAL Contact: Turkewitz AP  
COMMENT Molecular Genetics and Cell Biology  
University of Chicago

920 E. 58th Street, Chicago, IL 60637, USA  
Tel: 773 702 4374  
Fax: 773 702 3172  
Email: apturkew@midway.uchicago.edu  
Seq primer: T3  
Location/Qualifiers  
source  
1. .26  
/organism="Tetrahymena thermophila"  
/mol\_type="mRNA"  
/strain="CU428.1"  
/db\_xref="taxon:5911"  
/clone\_lib="Chilcoat/Turkewitz cDNA (large fraction)"  
/notes="Vector: Bluescript2 SK+; Details on library  
preparation can be found in Chilcoat and Turkewitz (2001)  
Proc. Natl. Acad. Sci USA, 98: 8709-8713."

FEATURES  
Query Match 0.7%; Score 14.8; DB 4; Length 26;  
Best Local Similarity 88.9%; Pred. No. 1.2e+08;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 832 GACCAGAGCCACGCGGG 849  
|||||  
Db 5 GAACTGAGCCACGCGGG 22

RESULT 50  
AU008030/c  
LOCUS AU008030 27 bp mRNA linear EST 31-JUL-1998  
DEFINITION Schizosaccharomyces pombe late log phase cDNA  
Schizosaccharomyces pombe cDNA clone spc02785, mRNA sequence.  
ACCESSION AU008030  
VERSION AU008030.1 GI:3344488  
KEYWORDS EST.  
SOURCE Schizosaccharomyces pombe (fission yeast)  
ORGANISM Schizosaccharomyces pombe  
Eukaryota; Fungi; Ascomycota; Schizosaccharomycetes;  
Schizosaccharomycetales; Schizosaccharomycetaceae;  
Schizosaccharomycetes.  
1 (bases 1 to 27)  
REFERENCE Morimyo, M. and Mita, K.  
AUTHORS Identification of expressed sequence tags of Schizosaccharomycetes  
TITLE Identification of expressed sequence tags of Schizosaccharomycetes  
JOURNAL Unpublished (1998)  
COMMENT Contact: Mitsuoki Morimyo  
Genome Research Group  
National Institute of Radiological Sciences  
9-1, Anagawa-4-chome, Inage-Ku, Chiba 263-8555, Japan  
Email: morimyo@nirs.go.jp.  
Location/Qualifiers  
source  
1. .27  
/organism="Schizosaccharomyces pombe"  
/mol\_type="mRNA"  
/strain="972"  
/db\_xref="taxon:4896"  
/clone="spc02785"  
/sex="h minus"  
/note="Vector: M13mp19; The cDNA library of  
Schizosaccharomyces pombe was prepared by cloning cDNA  
into the SmaI site of M13mp19 DNA and the direction of DNA  
sequences was not always from 5' to 3'. The cDNA data of  
Schizosaccharomyces pombe are available for searching on  
the World Wide Web. (URL, http://www.nirs.go.jp)"

ORIGIN  
Query Match 0.7%; Score 14.8; DB 1; Length 27;  
Best Local Similarity 73.1%; Pred. No. 1.2e+08;  
Matches 19; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2234 GACAGGATTAACCAATCAAAAT 2259  
|||||  
Db 26 GACAGGATTAACCAATCAAAAT 1



Search completed: November 20, 2004, 09:19:15  
Job time : 7062 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: November 19, 2004, 11:03:31 ; Search time 1077 Seconds  
(without alignments)  
11025.246 Million cell updates/sec

Title: US-10-067-125-2  
Perfect score: 2262  
Sequence: 1 gaattccggcgctgcgac.....attaaccattacaatctc 2262

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 4134886 seqs, 2624710521 residues  
Total number of hits satisfying chosen parameters: 3366436

Minimum DB seq length: 0  
Maximum DB seq length: 30

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 50 summaries

Database : N\_Geneseq\_23Sep04: \*  
1: Geneseqn1980s: \*  
2: Geneseqn1990s: \*  
3: Geneseqn2000s: \*  
4: Geneseqn2001as: \*  
5: Geneseqn2001bs: \*  
6: Geneseqn2002as: \*  
7: Geneseqn2002bs: \*  
8: Geneseqn2003as: \*  
9: Geneseqn2003bs: \*  
10: Geneseqn2003cs: \*  
11: Geneseqn2003ds: \*  
12: Geneseqn2004s: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	1.1	27	5	AAD01954
2	24	1.1	24	12	ADG09448
3	23	1.0	23	5	AAD01953
4	23	1.0	23	5	AAD01953
5	23	1.0	23	12	ADG02074
6	23	1.0	23	12	ADN35561
7	23	1.0	23	12	ADN35560
8	23	1.0	30	2	AAY03321
9	22.6	1.0	30	4	AAD04330
10	22	1.0	22	12	ADG09447
11	21	0.9	21	4	AAY96999
12	21	0.9	21	4	AAY96999
13	21	0.9	21	5	AAD01950
14	20	0.9	20	3	AAA55539
15	20	0.9	20	3	AAA55545
16	20	0.9	20	3	AAA55543
17	20	0.9	20	3	AAA55537
18	20	0.9	20	3	AAA55550
19	20	0.9	20	3	AAA55548
20	20	0.9	20	3	AAA55549
21	20	0.9	20	3	AAA55541

C	22	20	0.9	20	3	AAA55551	AAA55551 TRAF2 ant
C	23	20	0.9	20	3	AAA55555	AAA55555 TRAF2 ant
C	24	20	0.9	20	3	AAA55544	AAA55544 TRAF2 ant
C	25	20	0.9	20	3	AAA55546	AAA55546 TRAF2 ant
C	26	20	0.9	20	3	AAA55554	AAA55554 TRAF2 ant
C	27	20	0.9	20	3	AAA55557	AAA55557 TRAF2 ant
C	28	20	0.9	20	3	AAA55556	AAA55556 TRAF2 ant
C	29	20	0.9	20	3	AAA55538	AAA55538 TRAF2 ant
C	30	20	0.9	20	3	AAA55540	AAA55540 TRAF2 ant
C	31	20	0.9	20	3	AAA55542	AAA55542 TRAF2 ant
C	32	20	0.9	20	3	AAA55536	AAA55536 TRAF2 ant
C	33	20	0.9	20	3	AAA55547	AAA55547 TRAF2 ant
C	34	20	0.9	20	3	AAA55552	AAA55552 TRAF2 ant
C	35	20	0.9	20	3	AAA55553	AAA55553 TRAF2 ant
C	36	20	0.9	20	5	AAD01952	AAD01952 5' RT-PCR
C	37	20	0.9	28	2	AAY27181	AAY27181 PCR prime
C	38	19.4	0.9	21	5	AAD01951	AAD01951 Human TRA
C	39	19.4	0.9	30	10	ADK82643	ADK82643 LHRH(A) g
C	40	19.4	0.9	30	10	ADK82641	ADK82641 LHRH(M) g
C	41	19	0.8	19	12	ADM11769	ADM11769 TRAF2 sb
C	42	19	0.8	19	12	ADQ62132	ADQ62132 Anti-TRAF
C	43	19	0.8	19	12	ADQ62133	ADQ62133 Anti-TRAF
C	44	19	0.8	19	12	ADQ62135	ADQ62135 Anti-TRAF
C	45	19	0.8	19	12	ADQ62134	ADQ62134 Anti-TRAF
C	46	19	0.8	30	3	AAZ89685	AAZ89685 Human ADA
C	47	18.8	0.8	30	2	AAT66316	AAT66316 Oligonuc
C	48	18.6	0.8	29	6	ABK50863	ABK50863 Cholera t
C	49	18.6	0.8	30	6	ABK70442	ABK70442 In-situ a
C	50	18.4	0.8	25	9	ACI67643	ACI67643 Human mic

ALIGNMENTS

RESULT 1  
AAD01954  
ID AAD01954 standard; DNA; 27 BP.

AC AAD01954;

DT 26-MAR-2001 (first entry)

DE Probe to screen for non-spliced and splice variants of human TRAF2 cDNA.

KW Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;  
KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;  
KW TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; probe; vasotropic;  
KW antipsoriatic; antirheumatic; antiarthritic; antidiabetic;  
KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;  
KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;  
KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;  
KW neurodegenerative disease; cardiant; hybridisation probe; ss.

XX Homo sapiens.

```

XX Example 1; Page 40; 74pp; English.
XX
XX The present invention relates to variants of tumour necrosis factor (TNF)
XX -receptor associated factor (TRAF2). TRAF2 has two variants, a splice
XX variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
XX construct with enhanced dominant negative properties referred as "TRAF2
XX truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
XX TNF alpha signalling pathways and for inhibiting diseases involving over
XX production of TNFalpha, TNFalpha pathologies involving hyperactivation of
XX nuclear factor kappa B (NFkB). The variants are also useful for
XX inhibiting and treating inflammatory processes involving TNFalpha such as
XX Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
XX disease, non-insulin dependent diabetes, inflammatory bowel disease, and
XX neurodegenerative diseases or cardiovascular disease such as cardiac
XX ischaemia-reperfusion injury following myocardial infarction, coronary
XX artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
XX injury in the central nervous system (CNS) following stroke, the
XX development and rupture of advanced coronary atherosclerotic plaques,
XX injury following balloon angioplasty, or apoptotic cell death of
XX myocardial cells. The present sequence is a probe used for recognising
XX both non-spliced and splice variants of TRAF2TR (a splice variant of
XX TRAF2) cDNA
XX
SQ Sequence 27 BP; 8 A; 6 C; 9 G; 4 T; 0 U; 0 Other;
Query Match 1.1%; Score 26; DB 5; Length 27;
Best Local Similarity 100.0%; Pred. No. 2.5e+04;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 386 GATGCACCTGGAGGGGACCTGAAA 411
DB 1 GATGCACCTGGAGGGGACCTGAAA 26
RESULT 2
ADG09448/c
ID ADG09448 standard; DNA; 24 BP.
XX
XX ADG09448;
XX
XX 26-FEB-2004 (first entry)
XX
XX TNF-alpha-related gene TRAF2 PCR primer SEQ ID NO:16.
XX
XX tumour necrosis factor; TNF; tumour necrosis factor alpha; TNF-alpha;
XX TNF-related gene; TNF-alpha-related gene; cancer; human; PCR primer; ss.
XX
XX Synthetic.
XX Homo sapiens.
XX
XX EP1361433-A2.
XX
XX 12-NOV-2003.
XX
XX 08-APR-2003; 2003EP-00252225.
XX
XX 09-APR-2002; 2002JP-00107126.
XX (HAYB ) HAYASHIBARA SEITBUTSU KAGAKU.
XX
XX Yanai Y, Yamamoto S, Yamamoto K, Ikegami H;
XX WPI; 2004-055141/06.
XX
XX Estimating therapeutic efficacy of tumor necrosis factor involves
XX evaluating expression level of tumor necrosis factor-related gene in
XX cancer cell.
XX
XX Example 2; SEQ ID NO 16; 56pp; English.
XX
XX The present invention describes a method (M1) for estimating therapeutic

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```

CC efficacy of tumour necrosis factor (TNF). M1 involves evaluating the
CC expression level of a TNF-related gene in a cancer cell. Also described
CC is a kit for estimating the therapeutic efficacy of TNF, which is used in
CC the treatment of cancers. The kit comprises a thermostable DNA polymerase
CC and an oligonucleotide primer comprising a DNA sequence encoding a gene,
CC chosen from a protein kinase B (Akt-1) gene, death receptor (DR3) gene,
CC multidrug resistance-associated protein (MRP5) gene, and multidrug
CC resistance-associated protein (MRP6) gene. The present sequence
CC represents a PCR primer which is used in an example from the present
CC invention.
XX
SQ Sequence 24 BP; 8 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
Query Match 1.1%; Score 24; DB 12; Length 24;
Best Local Similarity 100.0%; Pred. No. 6.9e+04;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1223 TGTGTCGCGTATCTACTGTAACG 1246
DB 24 TGTGTCGCGTATCTACTGTAACG 1
RESULT 3
AAD01953/c
ID AAD01953 standard; DNA; 23 BP.
XX
XX AAD01953;
XX
XX 26-MAR-2001 (first entry)
XX
XX 3' RT-PCR primer #2 to determine the tissue distribution of TRAF2TR cDNA.
XX
XX Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
XX TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;
XX TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; RT-PCR primer;
XX vasotropic; antipsoriatic; antirheumatic; antiarthritic; antidiabetic;
XX antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;
XX rheumatoid arthritis; graft versus host disease; cardiovascular disease;
XX non-insulin dependent diabetes; inflammatory bowel disease; stroke;
XX neurodegenerative disease; cardiac; reverse transcription-PCR; ss.
XX
XX Homo sapiens.
XX
XX WO2000066737-A1.
XX
XX 09-NOV-2000.
XX
XX 06-APR-2000; 2000WO-US009178.
XX
XX 30-APR-1999; 99US-0131940P.
XX
XX (AVET ) AVENTIS PHARM PROD INC.
XX
XX Searfoss GH, Pegnomi MF, Ivashchenko YD, Guo K, Clark KL;
XX WPI; 2001-007223/01.
XX
XX New nucleic acid encoding variants of tumor necrosis factor receptor
XX associated factors useful for inhibiting tumor necrosis factor alpha-
XX regulated pathways, and for treating Crohn's disease, psoriasis, and
XX rheumatoid arthritis.
XX
XX Example 1; Page 40; 74pp; English.
XX
XX The present invention relates to variants of tumour necrosis factor (TNF)
XX -receptor associated factor (TRAF2). TRAF2 has two variants, a splice
XX variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
XX construct with enhanced dominant negative properties referred as "TRAF2
XX truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
XX TNF alpha signalling pathways and for inhibiting diseases involving over
XX production of TNFalpha, TNFalpha pathologies involving hyperactivation of
XX nuclear factor kappa B (NFkB). The variants are also useful for
XX inhibiting and treating inflammatory processes involving TNFalpha such as

```

CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host  
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and  
 CC neurodegenerative diseases or cardiovascular disease such as cardiac  
 CC ischaemia-reperfusion injury following myocardial infarction, coronary  
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion  
 CC injury in the central nervous system (CNS) following stroke, the  
 CC progression and rupture of advanced coronary atherosclerotic plaques,  
 CC development and progression of congestive heart failure, endothelial cell  
 CC injury following balloon angioplasty, or apoptotic cell death of  
 CC myocardial cells. The present sequence is a 3' RT-PCR primer #2 for  
 CC determining the tissue distribution of TRAF2TR (a splice variant of  
 CC TRAF2) cDNA  
 XX  
 SQ Sequence 23 BP; 4 A; 5 C; 10 G; 4 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 5; Length 23;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 702 CAGATTCCACGGCATCGGCTGCC 724  
 |||||  
 Db 23 CAGATTCCACGGCATCGGCTGCC 1

## RESULT 4

AAD02074/C

ID AAD02074 standard; DNA; 23 BP.

XX AAD02074;

XX AAD02074;

DT 26-MAR-2001 (first entry)

DE 3' PCR primer for preparing N-myc fusion construct.

XX Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;  
 KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR; TRAF2TD;  
 KW TRAF2 truncated; antiinflammatory; cardiant; Myc tag; vasotropic;  
 KW antipsoriatic; antirheumatic; antiarthritic; antidiabetic;  
 KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;  
 KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;  
 KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;  
 KW neurodegenerative disease; congestive heart failure; PCR primer;  
 KW myocardial infarction; nuclear factor kappa B; NFKB; ss.

XX Homo sapiens.

XX Synthetic.

XX WO200066737-A1.

XX 09-NOV-2000.

XX 06-APR-2000; 2000WO-US009178.

XX 30-APR-1999; 99US-0131940P.

XX (AVET ) AVENTIS PHARM PROD INC.

XX Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;

XX WPI; 2001-007223/01.

XX New nucleic acid encoding variants of tumor necrosis factor receptor  
 PT associated factors useful for inhibiting tumor necrosis factor alpha-  
 PT regulated pathways, and for treating Crohn's disease, psoriasis, and  
 PT rheumatoid arthritis.  
 XX Example 3; Page 42; 74pp; English.

XX The present invention relates to variants of tumour necrosis factor (TNF)  
 CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice  
 CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression  
 CC construct with enhanced dominant negative properties referred as "TRAF2  
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting

CC TNF alpha signalling pathways and for inhibiting diseases involving over  
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of  
 CC nuclear factor kappa B (NFkB). The variants are also useful for  
 CC inhibiting and treating inflammatory processes involving TNFalpha such as  
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host  
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and  
 CC neurodegenerative diseases or cardiovascular disease such as cardiac  
 CC ischaemia-reperfusion injury following myocardial infarction, coronary  
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion  
 CC injury in the central nervous system (CNS) following stroke, the  
 CC progression and rupture of advanced coronary atherosclerotic plaques,  
 CC development and progression of congestive heart failure, endothelial cell  
 CC injury following balloon angioplasty, or apoptotic cell death of  
 CC myocardial cells. The present sequence is a 3' PCR primer for preparing a  
 CC full length TRAF2. N-myc is useful for determining the effect of TRAF2TR  
 CC on NFKB activation. Truncated as well as full length TRAF2 were  
 CC constructed with N-myc affinity tags in a mammalian expression vector  
 CC (pCDNA3). N-myc fusion constructs were prepared using 5' and 3' PCR  
 CC primers  
 XX

SQ Sequence 23 BP; 6 A; 7 C; 5 G; 5 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 5; Length 23;

Best Local Similarity 100.0%; Pred. No. 1.2e+05;

Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1538 TTGTGGACCTGACAGGGCTCTAA 1560

|||||

Db 23 TTGTGGACCTGACAGGGCTCTAA 1

## RESULT 5

ADN35561/C

ID ADN35561 standard; DNA; 23 BP.

XX ADN35561;

XX ADN35561;

DT 01-JUL-2004 (first entry)

XX Human NSCLC gene semi-quantitative PCR primer reverse primer #120.  
 DE ss; primer; cytostatic; gene therapy; vaccine;  
 KW non-small cell lung cancer; NSCLC; diagnosis; cancer; URLC1.

XX Homo sapiens.

XX WO2004031413-A2.

XX 15-APR-2004.

XX 22-SEP-2003; 2003WO-JP012072.

XX 30-SEP-2002; 2002US-0414673P.

XX 28-FEB-2003; 2003US-0451374P.

XX 28-APR-2003; 2003US-0466100P.

XX (ONCO-) ONCOTHERAPY SCI INC.

XX (UITY ) UNIV TOKYO.

XX Nakamura Y, Daigo Y, Nakatsuru S;

XX WPI; 2004-330206/30.

XX Diagnosing, preventing and treating non-small cell lung cancer (NSCLC)  
 PT comprises determining an expression level of an NSCLC-associated gene in  
 PT a sample.  
 XX Disclosure; SEQ ID NO 242; 394pp; English.  
 XX The invention relates to a method of diagnosing non-small cell lung  
 CC cancer (NSCLC) or a predisposition to developing NSCLC in a subject by  
 CC determining the expression level of a NSCLC-associated gene in a

CC biological sample derived from the subject, where an increase or decrease  
 CC of the level compared to a normal control level of the gene indicates  
 CC that the subject suffers from or is at risk of developing NSCLC. The  
 CC method is useful in diagnosing NSCLC or a predisposition to developing  
 CC NSCLC in a subject. The compound, polynucleotide and the encoded  
 CC polypeptide and composition are useful in treating or preventing NSCLC.  
 CC This sequence corresponds to a primer for semi-quantitative PCR  
 CC amplification of genes that are differentially expressed in NSCLC cells.  
 SQ Sequence 23 BP; 4 A; 5 C; 6 G; 8 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 12; Length 23;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2222 CCAGCTCACGAGACAGAGTTAT 2244  
 DB 23 CCAGCTCACGAGACAGAGTTAT 1

RESULT 6  
 ADN35560  
 ID ADN35560 standard; DNA; 23 BP.  
 XX  
 AC ADN35560;  
 XX  
 DT 01-JUL-2004 (first entry)  
 XX  
 DE Human NSCLC gene semi-quantitative PCR primer forward primer #120.  
 XX  
 KW ss; primer; cytostatic; gene therapy; vaccine;  
 KW non-small cell lung cancer; NSCLC; diagnosis; cancer; URLC1.  
 XX  
 OS Homo sapiens.  
 XX  
 PN WO2004031413-A2.  
 XX  
 PD 15-APR-2004.  
 XX  
 PF 22-SEP-2003; 2003WO-JP012072.  
 XX  
 PR 30-SEP-2002; 2002US-0414673P.  
 PR 28-FEB-2003; 2003US-0451374P.  
 PR 26-APR-2003; 2003US-0466100P.  
 XX  
 PA (ONCO-) ONCOTHERAPY SCI INC.  
 PA (UYTY) UNIV TOKYO.  
 XX  
 PI Nakamura Y, Daigo Y, Nakatsuru S;  
 XX  
 WT; 2004-330206/30.  
 XX  
 DR Diagnosing, preventing and treating non-small cell lung cancer (NSCLC)  
 PT comprises determining an expression level of an NSCLC-associated gene in  
 PT a sample.  
 XX  
 PS Disclosure; SEQ ID NO 241; 394pp; English.  
 XX  
 CC The invention relates to a method of diagnosing non-small cell lung  
 CC cancer (NSCLC) or a predisposition to developing NSCLC in a subject by  
 CC determining the expression level of a NSCLC-associated gene in a  
 CC biological sample derived from the subject, where an increase or decrease  
 CC of the level compared to a normal control level of the gene indicates  
 CC that the subject suffers from or is at risk of developing NSCLC. The  
 CC method is useful in diagnosing NSCLC or a predisposition to developing  
 CC NSCLC in a subject. The compound, polynucleotide and the encoded  
 CC polypeptide and composition are useful in treating or preventing NSCLC.  
 CC This sequence corresponds to a primer for semi-quantitative PCR  
 CC amplification of genes that are differentially expressed in NSCLC cells.  
 SQ Sequence 23 BP; 4 A; 6 C; 6 G; 7 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 12; Length 23;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 1.2e+05;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1224 GTGTCTCGGTATCTACCTGAACG 1246  
 DB 1 GTGTCTCGGTATCTACCTGAACG 23

RESULT 7  
 AAV03321  
 ID AAV03321 standard; DNA; 30 BP.  
 XX  
 AC AAV03321;  
 XX  
 DT 15-APR-1998 (first entry)  
 XX  
 DE Forward PCR primer used to amplify human TRAF2.  
 XX  
 KW Human tumour necrosis factor receptor-associated factor 2; TRAF2;  
 KW TRAF-2 binding protein; NF-kappaB activity; NF-kappaB induction;  
 KW intracellular signalling activity; acute hepatitis;  
 KW autoimmune-induced cell death; PCR primer; ss.  
 XX  
 OS Synthetic.  
 XX  
 PN WO9737016-A1.  
 XX  
 PD 09-OCT-1997.  
 XX  
 PF 01-APR-1997; 97WO-IL000117.  
 XX  
 PR 02-APR-1996; 96IL-00117800.  
 PR 26-AUG-1996; 96IL-00119133.  
 XX  
 PA (YEDA) YEDA RES & DEV CO LTD.  
 XX  
 PI Wallach D, Malinin N, Boldin M, Kovalenko A, Mett I;  
 XX  
 DR WPI; 1997-503101/46.  
 XX  
 PT DNA encoding tumour necrosis factor receptor-associated factor binding  
 PT molecule - used for modulation or mediation in cells of the activity of  
 PT NF-kB.  
 XX  
 PS Disclosure; Page 50; 127pp; English.  
 XX  
 CC PCR primers AAV03321-22 were used to amplify human tumour necrosis factor  
 CC receptor-associated factor 2 (TRAF2) from a H60 cDNA library. The TRAF2  
 CC protein was used to identify proteins capable of binding to it. The TRAF-  
 CC 2 binding proteins can be used for modulation or mediation in cells of NF-  
 CC -kappaB activity or any other intracellular signalling activity modulated  
 CC or mediated by TRAF2. TRAF-binding proteins are especially used for  
 CC prevention or treatment of pathological conditions associated with NF-  
 CC kappaB induction, e.g. acute hepatitis, autoimmune-induced cell death,  
 CC e.g. death of the beta Langerhans cells or the pancreas that results in  
 CC diabetes, the death of cells in graft rejection, the death of  
 CC oligodendrocytes in the brain in multiple sclerosis, and AIDS-inhibited T  
 CC cell suicide which causes proliferation of the AIDS virus and hence the  
 CC AIDS disease. The proteins are also useful for screening of ligands  
 CC capable of binding to a protein, which are useful for modulating cellular  
 CC activity modulated/mediated by TRAF2  
 XX  
 SQ Sequence 30 BP; 6 A; 9 C; 9 G; 6 T; 0 U; 0 Other;

Query Match 1.0%; Score 23; DB 2; Length 30;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+05;  
 Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGTAC 74  
 DB 8 CTCATGGCTGCAGCTAGCGTAC 30

```
RESULT 8
AAD04330
ID AAD04330 standard; DNA; 30 BP.
XX
AC AAD04330;
XX
DT 04-JUL-2001 (first entry)
XX
DE Human TRAF2 forward PCR primer for cloning hTRAF2 from HL60 cDNA library.
XX
KW Human; Tumour Necrosis Factor; TNF; TNF Receptor Associated Factor;
KW TRAF2; TRAF2 binding protein; IREN; IkappaB Regulator; IREN-10B; IREN-E;
KW immunosuppressive; nuclear factor-kappaB; NF-kappaB; cytostatic; tumour;
KW AIDS; acquired immune deficiency syndrome; rheumatic disease; apoptosis;
KW autoimmune disease; septic shock; graft-vs-host reaction; inflammation;
KW anorexia; anti-HIV; therapy; PCR primer; ss.
XX
OS Homo sapiens.
XX
PN WO200116314-A1.
XX
PD 08-MAR-2001.
XX
PF 31-AUG-2000; 2000WO-IL000517.
XX
PR 02-SEP-1999; 99IL-00131719.
XX
PA (YEDA ) YEDA RES & DEV CO LTD.
XX
PI Wallach D, Malinin N, Sinha I, Leu S;
XX
DR WPI; 2001-281387/29.
XX
PT New DNA sequence encoding Tumor Necrosis Factor receptor associated
PT factor (TRAF) binding proteins (IREN) for treatment or prevention of
PT pathological conditions associated with NF-kappaB induction.
XX
PS Example; Page 51; 118pp; English.
XX
CC The present DNA sequence is forward PCR primer which is used for cloning
CC human tumour necrosis factor (TNF) receptor-associated factor (hTRAF2)
CC coding sequence from HL60 cDNA library. This primer corresponds to the
CC coding sequence of hTRAF2 starting from the start codon and including a
CC linker with BamHI site. The invention relates to human tumour necrosis
CC factor (TNF) receptor-associated factor (TRAF2) binding protein
CC designated as IREN (IkappaB Regulator), its isoforms IREN-10B, IREN-E and
CC their corresponding cDNA molecules. IREN is useful for
CC modulating/mediating the activity of transcription factor NF (Nuclear
CC Factor)-kappaB or any other intracellular signalling activity mediated by
CC TRAF2. IREN is useful in the prevention and treatment of a pathological
CC condition associated with NF-kappaB induction (abnormal) e.g. AIDS
CC (acquired immune deficiency syndrome), autoimmune diseases, tumours,
CC rheumatic diseases, anorexia, septic shock and graft-vs-host reactions.
CC IREN also plays an important role in the control of inflammation and
CC other non-apoptotic effects of TNF as well as in the control of
CC apoptosis. The invention also relates to method for screening,
CC identifying and producing a molecule capable of modulating activities
CC mediated by IREN. IREN antibodies are useful for the purification of new
CC proteins from different sources, including cell extracts or transformed
CC cell lines, in addition IREN can be used in diagnostic purposes for
CC identifying disorders related to abnormal functioning of cellular effects
CC mediated directly by TRAF proteins
XX
SQ Sequence 30 BP; 6 A; 9 C; 9 G; 6 T; 0 U; 0 Other;
Query Match 1.0%; Score 23; DB 4; Length 30;
Best Local Similarity 100.0%; Pred. No. 1.2e+05;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 52 CTCATGGCTGCAGTAGCGTGAC 74
Db 8 CTCATGGCTGCAGTAGCGTGAC 30

```

```
RESULT 9
ADO15273
ID ADO15273 standard; DNA; 30 BP.
XX
AC ADO15273;
XX
DT 12-AUG-2004 (first entry)
XX
DE TRAF2-specific targeting vector construction related PCR primer SEQ:7.
XX
KW somatic cell gene targeting vector; gene targeting; transfection; PCR;
KW primer; tumour necrosis factor receptor associated factor 2;
KW TNF receptor associated factor 2; TRAF2; TRAF2-specific targeting vector;
KW ss.
XX
OS Synthetic.
XX
PN WO2004042007-A2.
XX
PD 21-MAY-2004.
XX
PF 27-OCT-2003; 2003WO-US033872.
XX
PR 30-OCT-2002; 2002US-0422674P.
XX
PA (IOWA ) UNIV IOWA RES FOUND.
PA (BISH/) BISHOP G.
PA (HOST/) HOSTAGER B.
XX
PI Bishop G, Hostager B;
XX
DR WPI; 2004-400662/37.
XX
PT New vector for gene targeting and disruption in somatic cells by
PT homologous recombination comprises a gene targeting construct and an
PT expression cassette.
XX
PS Example 1; SEQ ID NO 7; 74pp; English.
XX
CC The present invention describes a somatic cell gene targeting vector
CC which comprises: (a) a gene targeting construct comprising a first
CC cloning site operably linked to a DNA encoding a positive selection
CC marker, a second cloning site and a first polyadenylation sequence, where
CC the construct is promoterless; and (b) an expression cassette comprising
CC a promoter operably linked to a DNA encoding a negative selection marker
CC and a second polyadenylation sequence. Also described: (1) disrupting a
CC gene of interest in a somatic cell; (2) an isolated cell prepared by the
CC above method; and (3) a somatic cell comprising the above vector. The
CC vector and the methods are useful for gene targeting and disruption in
CC somatic cells. The vector and methods allow for the rapid transfection of
CC cells with desired molecules, and so facilitating the ability to test
CC hypotheses and predictions. In addition, the vector and methods target
CC genes specifically and avoid production of additional unknown and desired
CC mutations, a common result when using chemical mutagens to disrupt
CC somatic cell genes. The methods also require much less time and expense
CC than known methods for gene disruption in somatic cells. The present
CC sequence represents a PCR primer used in the construction of a tumour
CC necrosis factor (TNF) receptor associated factor 2 (TRAF2)-specific
CC targeting vector, which is used in an example from the present invention.
XX
SQ Sequence 30 BP; 4 A; 8 C; 8 G; 10 T; 0 U; 0 Other;
Query Match 1.0%; Score 22.6; DB 12; Length 30;
Best Local Similarity 86.2%; Pred. No. 1.5e+05;
Matches 25; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Oy 244 TCTGGGGCTCAGAACTGTGCTGTGTGT 272
Db 1 TTGTGATCCCAAGAACTGTGCTGTGT 29

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RESULT 10

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Mon Nov 22 07:41:53 2004

ADG09447  
ID ADG09447 standard; DNA; 22 BP.  
AC  
AC ADG09447;  
XX  
XX 26-FEB-2004 (first entry)  
DT  
XX  
XX TNF-alpha-related gene TRAF2 PCR primer SEQ ID NO:15.  
DE  
XX  
XX tumour necrosis factor; TNF; tumour necrosis factor alpha; TNF-alpha;  
KW TNF-related gene; TNF-alpha-related gene; cancer; human; PCR primer; ss.  
XX  
XX Synthetic.  
OS  
OS Homo sapiens.  
XX  
XX EP1361433-A2.  
PN  
XX  
XX 12-NOV-2003.  
PD  
XX  
XX 08-APR-2003; 2003EP-00252225.  
PF  
XX  
XX 09-APR-2002; 2002JP-00107126.  
PR  
XX  
XX (HAYB ) HAYASHIBARA SEIBUTSU KAGAKU.  
PA  
XX  
XX Yanai Y, Yamamoto S, Yamamoto K, Ikegami H;  
PI  
XX WPI; 2004-055141/06.  
DR  
XX  
XX Estimating therapeutic efficacy of tumor necrosis factor involves  
PT evaluating expression level of tumor necrosis factor-related gene in  
PT cancer cell.  
PT  
XX  
XX Example 2; SEQ ID NO 15; 56pp; English.  
PS  
XX  
XX The present invention describes a method (M1) for estimating therapeutic  
CC efficacy of tumour necrosis factor (TNF). M1 involves evaluating the  
CC expression level of a TNF-related gene in a cancer cell. Also described  
CC is a kit for estimating the therapeutic efficacy of TNF, which is used in  
CC the treatment of cancers. The kit comprises a thermostable DNA polymerase  
CC and an oligonucleotide primer comprising a DNA sequence encoding a gene  
CC chosen from a protein kinase B (Akt-1) gene, death receptor (DR3) gene,  
CC multidrug resistance-associated protein (MRP5) gene, and multidrug  
CC resistance-associated protein (MRP6) gene. The present sequence  
CC represents a PCR primer which is used in an example from the present  
CC invention.  
XX  
XX Sequence 22 BP; 5 A; 7 C; 4 G; 6 T; 0 U; 0 Other;  
SQ  
Query Match 1.0%; Score 22; DB 12; Length 22;  
Best Local Similarity 100.0%; Pred. No. 1.9e+05;  
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 904 AACATTGCTGCGTCTGAACC 925  
DB 1 AACATTGCTGCGTCTGAACC 22  
RESULT 11  
AAF96999  
ID AAF96999 standard; DNA; 21 BP.  
AC  
AC AAF96999;  
XX  
XX 06-JUN-2001 (first entry)  
DT  
XX  
XX Human gene single nucleotide polymorphism #1760.  
DE  
XX  
XX Human; variant thrombospondin 1; variant thrombospondin 4; SNP;  
KW polymorphism; vascular disease; coronary artery disease; forensics;  
KW myocardial infarction; atherosclerosis; stroke; venous thromboembolism;  
KW pulmonary embolism; paternity test; ds.  
XX

OS Homo sapiens.  
XX  
XX Key Location/Qualifiers  
FH Variation replace(11,A)  
FT /\*tag= a  
FT /standard\_name= "single nucleotide polymorphism"  
XX  
XX WO200118250-A2.  
PN  
XX  
XX 15-MAR-2001.  
PD  
XX  
XX 07-SEP-2000; 2000WO-US024503.  
PF  
XX  
XX 10-SEP-1999; 99US-0153357P.  
PR  
XX 26-JUL-2000; 2000US-0220947P.  
PR  
XX 16-AUG-2000; 2000US-0225724P.  
PR  
XX  
XX (WHED ) WHITEHEAD INST BIOMEDICAL RES.  
PA (MILL-) MILLENNIUM PHARM INC.  
PA  
XX  
XX Lander ES, Gargill M, Ireland JS, Bolk S, Daley GQ, Mccarthy JJ;  
PI  
XX WPI; 2001-226749/23.  
DR  
XX  
XX Nucleic acids comprising single nucleotide polymorphisms, useful in  
PT applications such as forensics, paternity testing, medicine, genetic  
PT analysis and phenotype correlations to diseases such as diabetes and  
PT atherosclerosis.  
PT  
XX  
XX Example; Page 155; 242pp; English.  
PS  
XX  
XX The present invention provides a method of diagnosing a vascular disease  
CC in an individual, involving determining the sequence at various  
CC polymorphic sites within the human thrombospondin 1 and thrombospondin 4  
CC genes. The sequences at a number of polymorphic sites are also provided  
CC in the specification. In particular, the method can be used in the  
CC diagnosis of atherosclerosis, myocardial infarction, coronary heart  
CC disease, stroke, peripheral vascular diseases, venous thromboembolism and  
CC pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also  
CC useful in forensics, paternity testing, genetic analysis and phenotype  
CC correlations to diseases. The present sequence is an example of one of  
CC the human gene SNPs shown in the specification  
XX  
XX Sequence 21 BP; 2 A; 9 C; 6 G; 4 T; 0 U; 0 Other;  
SQ  
Query Match 0.9%; Score 21; DB 4; Length 21;  
Best Local Similarity 100.0%; Pred. No. 3.2e+05;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 434 GCCGCTGCCGCTCATGCTGA 454  
DB 1 GCCGCTGCCGCTCATGCTGA 21  
RESULT 12  
AAH62439  
ID AAH62439 standard; DNA; 21 BP.  
AC  
AC AAH62439;  
XX  
XX  
XX 09-SEP-2004 (revised)  
DT  
XX 12-SEP-2001 (first entry)  
DT  
XX  
XX TRAP3 polymorphism containing DNA fragment #340.  
DE  
XX  
XX Single nucleotide polymorphism; SNP; human; cancer; inflammation;  
KW heart disease; paternity testing; forensic science; ds.  
KW  
XX  
XX Homo sapiens.  
OS  
XX Unidentified.  
OS  
XX  
XX Key Location/Qualifiers  
FH Variation 11  
FT



FT /\*tag= a  
 FT /standard\_name= "single nucleotide polymorphism"

PN WO200138576-A2.

XX 31-MAY-2001.

XX 17-NOV-2000; 2000WO-US031639.

XX 24-NOV-1999; 99US-0167334P.

XX (WHEED ) WHITEHEAD INST BIOMEDICAL RES.

XX Cargill M, Ireland JS, Lander ES;

XX WPI; 2001-367705/38.

XX New nucleic acid segments of the human genome, particularly from genes  
 PT including polymorphic sites for phenotype correlation, forensics,  
 PT paternity testing, medicine and genetic analysis.

XX Claim 1; Page 57; 80pp; English.

XX DNA sequences AAH62100 - AAH62698 represent segments of human genes which  
 CC contain single nucleotide polymorphisms (SNPs). A method is included in  
 CC the invention for analysing a nucleic acid sample, which consists of  
 CC determining the base occupying any one of the polymorphic sites given in  
 CC the SNP containing sequences. The nucleotide sequences can be used in the  
 CC diagnosis or monitoring of diseases, such as cancer, inflammation, heart  
 CC diseases, diseases of the cardiovascular system, and infection by  
 CC microorganisms. The oligonucleotides are also useful in the manufacture  
 CC of a medicament for the treatment or prophylaxis of the diseases, and as  
 CC a pharmaceutical. SNP containing oligonucleotides are useful in  
 CC applications such as phenotype correlation, forensics, paternity testing,  
 CC medicine and genetic analysis

XX Revised record issued on 09-SEP-2004 : Correction to Reature Table Key

XX Sequence 21 BP; 4 A; 8 C; 5 G; 4 T; 0 U; 0 Other;

Query Match 0.9%; Score 21; DB 4; Length 21;

Best Local Similarity 100.0%; Pred. No. 3.2e+05;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 701 GCAGATTCCACGCCATCGGCT 721

Db 1 GCAGATTCCACGCCATCGGCT 21

RESULT 13

AA001950

ID AAD01950 standard; DNA; 21 BP.

XX AAD01950;

XX 26-MAR-2001 (first entry)

XX Human TRAF2TR 5' RT-PCR primer #1 used in TRAF2TR cDNA isolation.

XX Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;  
 XX TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;  
 XX TRAF2 truncated-deleted; TRAF2TR; antiinflammatory; RT-PCR primer;  
 XX vasotropic; antipsoriatic; antirheumatic; antiarthritis; antidiabetic;  
 XX antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;  
 XX rheumatoid arthritis; graft versus host disease; cardiovascular disease;  
 XX non-insulin dependent diabetes; inflammatory bowel disease; stroke;  
 XX neurodegenerative disease; cardiac; reverse transcription-PCR; ss.

XX Homo sapiens.

XX WO200066737-A1.

XX 09-NOV-2000.

XX 06-APR-2000; 2000WO-US009178.

XX 30-APR-1999; 99US-0131940P.

XX (AVET ) AVENTIS PHARM PROD INC.

XX Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KU;

XX WPI; 2001-007223/01.

XX New nucleic acid encoding variants of tumor necrosis factor receptor  
 PT associated factors useful for inhibiting tumor necrosis factor alpha-  
 PT regulated pathways, and for treating Crohn's disease, psoriasis, and  
 PT rheumatoid arthritis.

XX Example 1; Page 40; 74pp; English.

XX The present invention relates to variants of tumour necrosis factor (TNF)  
 CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice  
 CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression  
 CC construct with enhanced dominant negative properties referred as "TRAF2  
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting  
 CC TNF alpha signalling pathways and for inhibiting diseases involving over  
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of  
 CC nuclear factor kappa B (NFkB). The variants are also useful for  
 CC inhibiting and treating inflammatory processes involving TNFalpha such as  
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host  
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and  
 CC neurodegenerative diseases or cardiovascular disease such as cardiac  
 CC ischaemia-reperfusion injury following myocardial infarction, coronary  
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion  
 CC injury in the central nervous system (CNS) following stroke, the  
 CC progression and rupture of advanced coronary atherosclerotic plaques,  
 CC development and progression of congestive heart failure, endothelial cell  
 CC injury following balloon angioplasty, or apoptotic cell death of  
 CC myocardial cells. The present sequence is a 5' RT-PCR primer #1 for  
 CC isolating cDNA encoding TRAF2TR (a splice variant of TRAF2)

XX Sequence 21 BP; 4 A; 6 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 0.9%; Score 21; DB 5; Length 21;

Best Local Similarity 100.0%; Pred. No. 3.2e+05;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 55 ATGGCTGCAGCTAGCGTGACC 75

Db 1 ATGGCTGCAGCTAGCGTGACC 21

RESULT 14

AAAS5539/c

ID AAAS5539 standard; DNA; 20 BP.

XX AAAS5539;

XX 30-AUG-2000 (first entry)

XX TRAF2 antisense oligonucleotide ISIS# 16830.

XX Tumour necrosis factor receptor-associated factor; TRAF; human;  
 XX antisense oligonucleotide; phosphorothioate; antiproliferative;  
 XX anti-inflammatory; E-selectin; jun kinase; ss.

XX Synthetic.

XX WO200020435-A1.

XX 13-APR-2000.

XX 05-OCT-1999; 99WO-US023171.

XX 06-OCT-1998; 98US-00167109.

PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.  
 XX  
 XX  
 PS Example 16; Page 51; 170pp; English.  
 XX  
 XX The present invention relates to antisense oligonucleotides (see AAA55496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumor  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function  
 XX  
 SQ Sequence 20 BP; 2 A; 9 C; 4 G; 5 T; 0 U; 0 Other;  
 Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 751 CAGGAGCAGGAGTGCAGTG 770  
 DB 20 CAGGAGCAGGAGTGCAGTG 1  
 RESULT 16  
 AAA55543/c  
 ID AAA55543 standard; DNA; 20 BP.  
 AC AAA55543;  
 XX 30-AUG-2000 (first entry)  
 DT TRAF2 antisense oligonucleotide ISIS# 16834.  
 DE Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.  
 OS Synthetic.  
 XX WO200020435-A1.  
 PN 13-APR-2000.  
 PD 05-OCT-1999; 99WO-US023171.  
 PF 06-OCT-1998; 98US-00167109.  
 PR (ISIS-) ISIS PHARM INC.  
 PA Baker BF, Cowsett LM, Monia BP, Xu XS;  
 XX WPI; 2000-303732/26.  
 XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.  
 XX  
 PS Example 16; Page 51; 170pp; English.  
 XX The present invention relates to antisense oligonucleotides (see AAA55496

XX (ISIS-) ISIS PHARM INC.  
 XX Baker BF, Cowsett LM, Monia BP, Xu XS;  
 XX WPI; 2000-303732/26.  
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 PT  
 PS Example 16; Page 51; 170pp; English.  
 XX  
 XX The present invention relates to antisense oligonucleotides (see AAA55496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumor  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function  
 XX  
 SQ Sequence 20 BP; 5 A; 6 C; 6 G; 3 T; 0 U; 0 Other;  
 Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 52 CTCATGGCTCAGCTAGCGT 71  
 DB 20 CTCATGGCTCAGCTAGCGT 1  
 RESULT 15  
 AAA55545/c  
 ID AAA55545 standard; DNA; 20 BP.  
 AC AAA55545;  
 XX 30-AUG-2000 (first entry)  
 DT TRAF2 antisense oligonucleotide ISIS# 16836.  
 DE Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.  
 OS Synthetic.  
 XX WO200020435-A1.  
 PN 13-APR-2000.  
 PD 05-OCT-1999; 99WO-US023171.  
 PF 06-OCT-1998; 98US-00167109.  
 PR (ISIS-) ISIS PHARM INC.  
 PA Baker BF, Cowsett LM, Monia BP, Xu XS;  
 XX WPI; 2000-303732/26.  
 XX

CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
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 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 1 A; 8 C; 6 G; 5 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 576 CGTGAAGGCGCACCGAGG 595  
 DB 20 CGTGAAGGCGCACCGAGG 1

RESULT 17  
 AAA5537/c  
 ID AAA5537 standard; DNA; 20 BP.  
 AC AAA5537;  
 XX 30-AUG-2000 (first entry)  
 DT  
 DE TRAF2 antisense oligonucleotide ISIS# 16828.

XX Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.

XX Synthetic.  
 OS  
 XX WO200020435-A1.  
 PN 13-APR-2000.  
 XX 05-OCT-1999; 99WO-US023171.  
 XX 06-OCT-1998; 98US-00167109.  
 XX (ISIS-) ISIS PHARM INC.  
 XX Baker BF, Cowsett LM, Monia BP, Xu XS;  
 XX WPI; 2000-303732/26.

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.  
 XX Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human

CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 3 A; 9 C; 7 G; 1 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGCGCTCGACCGTTGG 26  
 DB 20 CGGCGCGCTCGACCGTTGG 1

RESULT 18  
 AAA5550/c  
 ID AAA5550 standard; DNA; 20 BP.  
 XX  
 AC AAA5550;  
 XX 30-AUG-2000 (first entry)  
 DT  
 DE TRAF2 antisense oligonucleotide ISIS# 16841.

XX Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.

XX Synthetic.  
 OS  
 XX WO200020435-A1.  
 PN 13-APR-2000.  
 XX 05-OCT-1999; 99WO-US023171.  
 XX 06-OCT-1998; 98US-00167109.  
 XX (ISIS-) ISIS PHARM INC.  
 XX Baker BF, Cowsett LM, Monia BP, Xu XS;  
 XX WPI; 2000-303732/26.

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.

XX Example 16; Page 52; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-

CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 4 A; 7 C; 5 G; 4 T; 0 U; 0 Other;  
 SQ

Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1533 GGCCATTGTGACCTGACAG 1552  
 DB 20 GGCCATTGTGACCTGACAG 1

RESULT 19  
 AAA55548/c  
 ID AAA55548 standard; DNA; 20 BP.  
 AC AAA55548;  
 XX  
 DT 30-AUG-2000 (first entry)  
 XX  
 DE TRAF2 antisense oligonucleotide ISIS# 16839.

XX Tumour necrosis factor receptor-associated factor; TRAF; human;  
 XX antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.

OS Synthetic.

PN WO200020435-A1.

PD 13-APR-2000.

XX 05-OCT-1999; 99WO-US023171.

XX 06-OCT-1998; 98US-00167109.

PA (ISIS-) ISIS PHARM INC.

PI Baker BF, Cowsett LM, Monia BP, Xu XS;

XX WPI; 2000-303732/26.

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.

PS Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 1 A; 8 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;

Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1240 CTGAACGGCGACGGCACCGG 1259  
 DB 20 CTGAACGGCGACGGCACCGG 1

RESULT 20  
 AAA55549/c  
 ID AAA55549 standard; DNA; 20 BP.

AC AAA55549;

XX 30-AUG-2000 (first entry)

DE TRAF2 antisense oligonucleotide ISIS# 16840.

XX Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.

OS Synthetic.

PN WO200020435-A1.

PD 13-APR-2000.

XX 05-OCT-1999; 99WO-US023171.

XX 06-OCT-1998; 98US-00167109.

PA (ISIS-) ISIS PHARM INC.

PI Baker BF, Cowsett LM, Monia BP, Xu XS;

XX WPI; 2000-303732/26.

XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.

PS Example 16; Page 51; 170pp; English.

XX The present invention relates to antisense oligonucleotides (see AAA55496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function

XX Sequence 20 BP; 3 A; 6 C; 8 G; 3 T; 0 U; 0 Other;

Query Match 0.9%; Score 20; DB 3; Length 20;

Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1387 GACGCCCTTCAGGCCGACGT 1406  
 DB 20 GACGCCCTTCAGGCCGACGT 1

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RESULT 21
AAA55541/c
ID AAA55541 standard; DNA; 20 BP.
XX
XX
AC AAA55541;
XX
XX 30-AUG-2000 (first entry)
XX
XX TRAF2 antisense oligonucleotide ISIS# 16832.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; Jun kinase; ss.
XX
OS Synthetic.
XX
XX WO200020435-A1.
XX
XX 13-APR-2000.
XX
XX 05-OCT-1999; 99WO-US023171.
XX
XX 06-OCT-1998; 98US-00167109.
XX
XX (ISIS-) ISIS PHARM INC.
XX
XX Baker BF, Cowser LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF); useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX
XX Example 16; Page 51; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumour
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of Jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function
XX
XX Sequence 20 BP; 2 A; 11 C; 4 G; 3 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 348 GGAGGTGGAGAGCTGCCGG 367
Db 20 GGAGGTGGAGAGCTGCCGG 1
RESULT 22
AAA55551/c
ID AAA55551 standard; DNA; 20 BP.
XX
XX
AC AAA55551;
XX
XX 30-AUG-2000 (first entry)
XX
XX TRAF2 antisense oligonucleotide ISIS# 16846.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; Jun kinase; ss.
XX
OS Synthetic.
XX
XX WO200020435-A1.
XX
XX 13-APR-2000.
XX
XX 05-OCT-1999; 99WO-US023171.
XX
XX 06-OCT-1998; 98US-00167109.
XX
XX (ISIS-) ISIS PHARM INC.
XX
XX Baker BF, Cowser LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX
XX Antisense oligonucleotides targeted to nucleic acids encoding a human tumour
PT necrosis factor receptor-associated factor (TRAF); useful for treating
XX diseases associated with TRAF expression such as inflammatory diseases.
XX
XX Example 16; Page 51; 170pp; English.
XX
XX The present invention relates to antisense oligonucleotides (see AAA55496
XX -A55757) which are targeted to nucleic acids encoding a human tumour
XX necrosis factor receptor-associated factor (TRAF). The antisense
XX sequences comprise at least one modified internucleotide linkage, which
XX is a phosphorothioate linkage. The oligonucleotides also include at least
XX one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX TRAF1-6. Included in the invention is a method for treating a human
XX having a disease associated with the expression of TRAF comprising
XX administering an antisense oligonucleotide. The reduction of Jun kinase
XX activation in cells comprises contacting the cells with an antisense
XX oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX selectin expression in cells or tissues comprises contacting the cells or
XX tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX The antisense oligonucleotides have antiproliferative and anti-
XX inflammatory activity and are useful for treating disorders associated
XX with cell proliferation and inflammation. The antisense oligonucleotides
XX may also be used as a diagnostic probe for studying gene function
XX
XX Sequence 20 BP; 2 A; 11 C; 4 G; 3 T; 0 U; 0 Other;
SQ
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1590 GGACGCCAGGCACAGCCGGC 1609
Db 20 GGACGCCAGGCACAGCCGGC 1
RESULT 23
AAA55555/c
ID AAA55555 standard; DNA; 20 BP.
XX
XX
AC AAA55555;
XX
XX 30-AUG-2000 (first entry)
XX
XX TRAF2 antisense oligonucleotide ISIS# 16846.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; Jun kinase; ss.
XX
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XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF); useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 52; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumor
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 3 A; 7 C; 8 G; 2 T; 0 U; 0 Other;
    Query Match 0.9%; Score 20; DB 3; Length 20;
    Best Local Similarity 100.0%; Pred. No. 5.4e+05;
    Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1994 GGCCTCTGCTGGCCAGC 2013
DB 20 GGCCTCTGCTGGCCAGC 1
    |||||
RESULT 24
AAA5544/c
ID AAA5544 standard; DNA; 20 BP.
XX AC AAA5544;
XX AC AAA5544;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16835.
XX KW Tumour necrosis factor receptor-associated factor; TRAF; human;
XX KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX KW anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX OS WO200020435-A1.
XX PN 13-APR-2000.

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PF 05-OCT-1999; 99WO-US023171.
XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF); useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 51; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumor
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
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XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
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XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
    Query Match 0.9%; Score 20; DB 3; Length 20;
    Best Local Similarity 100.0%; Pred. No. 5.4e+05;
    Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 675 GACTGTGGCAAGTGTGAG 694
DB 20 GACTGTGGCAAGTGTGAG 1
    |||||
RESULT 25
AAA5546/c
ID AAA5546 standard; DNA; 20 BP.
XX AC AAA5546;
XX AC AAA5546;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16837.
XX KW Tumour necrosis factor receptor-associated factor; TRAF; human;
XX KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX KW anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX OS WO200020435-A1.
XX PN 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsert LM, Monia BP, Xu XS;

```

XX WPI; 2000-303732/26.  
 XX  
 PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.  
 XX  
 PS Example 16; Page 51; 170pp; English.  
 XX  
 CC The present invention relates to antisense oligonucleotides (see AAAS5496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAAS5490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function  
 XX  
 SQ Sequence 20 BP; 3 A; 8 C; 5 G; 4 T; 0 U; 0 Other;  
 Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 848 GGTGACAGCTCTGCGAGG 867  
 DB 20 GGTGACAGCTCTGCGAGG 1  
 RESULT 26  
 AAAS5554/C  
 ID AAAS5554 standard; DNA; 20 BP.  
 XX  
 AC AAAS5554;  
 XX  
 DT 30-AUG-2000 (first entry)  
 XX  
 DE TRAF2 antisense oligonucleotide ISIS# 16845.  
 XX  
 KW Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.  
 XX  
 OS Synthetic.  
 XX  
 PN WO200020435-A1.  
 XX  
 PD 13-APR-2000.  
 XX  
 PF 05-OCT-1999; 99WO-US023171.  
 XX  
 PR 06-OCT-1998; 98US-00167109.  
 XX  
 PA (ISIS-) ISIS PHARM INC.  
 XX  
 PI Baker BF, Cowseert LM, Monia BP, Xu XS;  
 XX  
 DR WPI; 2000-303732/26.  
 XX  
 CC Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.  
 XX

PS Example 16; Page 52; 170pp; English.  
 XX  
 CC The present invention relates to antisense oligonucleotides (see AAAS5496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAAS5490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function  
 XX  
 SQ Sequence 20 BP; 3 A; 6 C; 5 G; 6 T; 0 U; 0 Other;  
 Query Match 0.9%; Score 20; DB 3; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1916 CCATGTAGCAGGACAGT 1935  
 DB 20 CCATGTAGCAGGACAGT 1  
 RESULT 27  
 AAAS5557/C  
 ID AAAS5557 standard; DNA; 20 BP.  
 XX  
 AC AAAS5557;  
 XX  
 DT 30-AUG-2000 (first entry)  
 XX  
 DE TRAF2 antisense oligonucleotide ISIS# 16848.  
 XX  
 KW Tumour necrosis factor receptor-associated factor; TRAF; human;  
 KW antisense oligonucleotide; phosphorothioate; antiproliferative;  
 KW anti-inflammatory; E-selectin; jun kinase; ss.  
 XX  
 OS Synthetic.  
 XX  
 PN WO200020435-A1.  
 XX  
 PD 13-APR-2000.  
 XX  
 PF 05-OCT-1999; 99WO-US023171.  
 XX  
 PR 06-OCT-1998; 98US-00167109.  
 XX  
 PA (ISIS-) ISIS PHARM INC.  
 XX  
 PI Baker BF, Cowseert LM, Monia BP, Xu XS;  
 XX  
 DR WPI; 2000-303732/26.  
 XX  
 CC Antisense oligonucleotides targeted to nucleic acids encoding human tumor  
 PT necrosis factor receptor-associated factor (TRAF), useful for treating  
 PT diseases associated with TRAF expression such as inflammatory diseases.  
 XX  
 PS Example 16; Page 52; 170pp; English.  
 XX  
 CC The present invention relates to antisense oligonucleotides (see AAAS5496  
 CC -A55757) which are targeted to nucleic acids encoding a human tumour  
 CC necrosis factor receptor-associated factor (TRAF). The antisense  
 CC sequences comprise at least one modified internucleotide linkage, which  
 CC is a phosphorothioate linkage. The oligonucleotides also include at least  
 CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.  
 CC Sequences AAAS5490-A55495 represent nucleotide sequences encoding human  
 CC TRAF1-6. Included in the invention is a method for treating a human  
 CC having a disease associated with the expression of TRAF comprising  
 CC administering an antisense oligonucleotide. The reduction of jun kinase  
 CC activation in cells comprises contacting the cells with an antisense  
 CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-  
 CC selectin expression in cells or tissues comprises contacting the cells or  
 CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.  
 CC The antisense oligonucleotides have antiproliferative and anti-  
 CC inflammatory activity and are useful for treating disorders associated  
 CC with cell proliferation and inflammation. The antisense oligonucleotides  
 CC may also be used as a diagnostic probe for studying gene function  
 XX







```
SQ Sequence 20 BP; 5 A; 6 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTCCAGCTCTCATGGCTG 61
DB 20 GGTCCAGCTCTCATGGCTG 1

RESULT 30
AAA55540/c
ID AAA55540 standard; DNA; 20 BP.
XX
AC AAA55540;
XX
DT 30-AUG-2000 (first entry)
XX
DE TRAF2 antisense oligonucleotide ISIS# 16831.
XX
KW Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; jun kinase; ss.
XX
OS Synthetic.
XX
PN WO200020435-A1.
XX
PD 13-APR-2000.
XX
PF 05-OCT-1999; 99WO-US023171.
XX
PR 06-OCT-1998; 98US-00167109.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Baker BF, Cowsett LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX
PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF), useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX
PS Example 16; Page 51; 170pp; English.
XX
CC The present invention relates to antisense oligonucleotides (see AAA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumour
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function
XX
SQ Sequence 20 BP; 4 A; 7 C; 7 G; 2 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 185 CCTTCCAGGCGCAGTGTGGC 204

SQ Sequence 20 BP; 5 A; 6 C; 6 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTGCCACGAGCGCGTGC 441
DB 20 GCTGCCACGAGCGCGTGC 1

RESULT 32
AAA55536/c
ID AAA55536 standard; DNA; 20 BP.
XX
AC AAA55542;
XX
DT 30-AUG-2000 (first entry)
XX
DE TRAF2 antisense oligonucleotide ISIS# 16833.
XX
KW Tumour necrosis factor receptor-associated factor; TRAF; human;
KW antisense oligonucleotide; phosphorothioate; antiproliferative;
KW anti-inflammatory; E-selectin; jun kinase; ss.
XX
OS Synthetic.
XX
PN WO200020435-A1.
XX
PD 13-APR-2000.
XX
PF 05-OCT-1999; 99WO-US023171.
XX
PR 06-OCT-1998; 98US-00167109.
XX
PA (ISIS-) ISIS PHARM INC.
XX
PI Baker BF, Cowsett LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX
PT Antisense oligonucleotides targeted to nucleic acids encoding human tumor
PT necrosis factor receptor-associated factor (TRAF), useful for treating
PT diseases associated with TRAF expression such as inflammatory diseases.
XX
PS Example 16; Page 51; 170pp; English.
XX
CC The present invention relates to antisense oligonucleotides (see AAA55496
CC -A55757) which are targeted to nucleic acids encoding a human tumour
CC necrosis factor receptor-associated factor (TRAF). The antisense
CC sequences comprise at least one modified internucleotide linkage, which
CC is a phosphorothioate linkage. The oligonucleotides also include at least
CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
CC TRAF1-6. Included in the invention is a method for treating a human
CC having a disease associated with the expression of TRAF comprising
CC administering an antisense oligonucleotide. The reduction of jun kinase
CC activation in cells comprises contacting the cells with an antisense
CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
CC selectin expression in cells or tissues comprises contacting the cells or
CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
CC The antisense oligonucleotides have antiproliferative and anti-
CC inflammatory activity and are useful for treating disorders associated
CC with cell proliferation and inflammation. The antisense oligonucleotides
CC may also be used as a diagnostic probe for studying gene function
XX
SQ Sequence 20 BP; 2 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 422 GCTGCCACGAGCGCGTGC 441
DB 20 GCTGCCACGAGCGCGTGC 1

RESULT 32
AAA55536/c
ID AAA55536 standard; DNA; 20 BP.
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XX AC AAA55536;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16827.
XX KW Tumour necrosis factor receptor-associated factor; TRAF; human;
XX KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX KW anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowseert LM, Monia BP, Xu XS;
XX PS WPI; 2000-303732/26.
XX DR Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 51; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumour
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 3 A; 7 C; 7 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAATTCGGCGCGTGGCAC 20
DB 20 GAATTCGGCGCGTGGCAC 1
RESULT 33
AAA55547/c
ID AAA55547 standard; DNA; 20 BP.
XX AC AAA55547;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16838.
XX

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KW KW Tumour necrosis factor receptor-associated factor; TRAF; human;
KW KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX OS anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX PN WO200020435-A1.
XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowseert LM, Monia BP, Xu XS;
XX PS WPI; 2000-303732/26.
XX DR Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 51; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumour
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA5490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 1 A; 8 C; 8 G; 3 T; 0 U; 0 Other;
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 962 GCAGCGCGCAGCACCAGCTG 981
DB 20 GCAGCGCGCAGCACCAGCTG 1
RESULT 34
AAA55552/c
ID AAA55552 standard; DNA; 20 BP.
XX AC AAA55552;
XX DT 30-AUG-2000 (first entry)
XX DE TRAF2 antisense oligonucleotide ISIS# 16843.
XX KW Tumour necrosis factor receptor-associated factor; TRAF; human;
XX KW antisense oligonucleotide; phosphorothioate; antiproliferative;
XX KW anti-inflammatory; E-selectin; jun kinase; ss.
XX OS Synthetic.
XX PN WO200020435-A1.

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XX PD 13-APR-2000.
XX PF 05-OCT-1999; 99WO-US023171.
XX PR 06-OCT-1998; 98US-00167109.
XX PA (ISIS-) ISIS PHARM INC.
XX PI Baker BF, Cowsett LM, Monia BP, Xu XS;
XX DR WPI; 2000-303732/26.
XX CC Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 52; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumour
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 U; 0 Other;
XX
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1685 GGTGTCGGCTGCAGCAAG 1704
DB 20 GGTGTCGGCTGCAGCAAG 1
XX
RESULT 35
AAA5553/c
ID AAA5553 standard; DNA; 20 BP.
XX AC AAA5553;
XX 30-AUG-2000 (first entry)
XX TRAF2 antisense oligonucleotide ISIS# 16844.
XX
XX Tumour necrosis factor receptor-associated factor; TRAF; human;
XX antisense oligonucleotide; phosphorothioate; antiproliferative;
XX anti-inflammatory; E-selectin; jun kinase; ss.
XX Synthetic.
XX OS
XX WO200020435-A1.
XX PN
XX 13-APR-2000.
XX PD
XX 05-OCT-1999; 99WO-US023171.
XX PF
XX 06-OCT-1998; 98US-00167109.
XX PR
XX PA (AVET ) AVENTIS PHARM PROD INC.
XX PI
XX DR
XX CC

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PA (ISIS-) ISIS PHARM INC.
XX Baker BF, Cowsett LM, Monia BP, Xu XS;
XX WPI; 2000-303732/26.
XX Antisense oligonucleotides targeted to nucleic acids encoding human tumor
XX PT necrosis factor receptor-associated factor (TRAF), useful for treating
XX PT diseases associated with TRAF expression such as inflammatory diseases.
XX PS Example 16; Page 52; 170pp; English.
XX CC The present invention relates to antisense oligonucleotides (see AAA55496
XX CC -A55757) which are targeted to nucleic acids encoding a human tumour
XX CC necrosis factor receptor-associated factor (TRAF). The antisense
XX CC sequences comprise at least one modified internucleotide linkage, which
XX CC is a phosphorothioate linkage. The oligonucleotides also include at least
XX CC one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety.
XX CC Sequences AAA55490-A55495 represent nucleotide sequences encoding human
XX CC TRAF1-6. Included in the invention is a method for treating a human
XX CC having a disease associated with the expression of TRAF comprising
XX CC administering an antisense oligonucleotide. The reduction of jun kinase
XX CC activation in cells comprises contacting the cells with an antisense
XX CC oligonucleotide targeted to TRAF-6. A method for the reduction of E-
XX CC selectin expression in cells or tissues comprises contacting the cells or
XX CC tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
XX CC The antisense oligonucleotides have antiproliferative and anti-
XX CC inflammatory activity and are useful for treating disorders associated
XX CC with cell proliferation and inflammation. The antisense oligonucleotides
XX CC may also be used as a diagnostic probe for studying gene function
XX SQ Sequence 20 BP; 5 A; 10 C; 4 G; 1 T; 0 U; 0 Other;
XX
Query Match 0.9%; Score 20; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.4e+05;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1789 GGCTGTGGTGCATTGGCCG 1808
DB 20 GGCTGTGGTGCATTGGCCG 1
XX
RESULT 36
AAD01952
ID AAD01952 standard; DNA; 20 BP.
XX AC AAD01952;
XX 26-VAR-2001 (first entry)
XX
XX 5' RT-PCR primer #2 to determine the tissue distribution of TRAF2TR cDNA.
XX Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;
XX TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;
XX TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; RT-PCR primer;
XX vasotropic; antipsoriatic; antirheumatic; antiarthritic; antidiabetic;
XX rheumatoid arthritis; immunosuppressive; Crohn's disease; psoriasis;
XX non-insulin dependent diabetes; inflammatory bowel disease; stroke;
XX neurodegenerative disease; cardiant; reverse transcription-PCR; ss.
XX OS
XX Homo sapiens.
XX WO2000066737-A1.
XX PN
XX 09-NOV-2000.
XX PD
XX 06-APR-2000; 2000WO-US009178.
XX PF
XX 30-APR-1999; 99US-0131940P.
XX PR
XX (AVET ) AVENTIS PHARM PROD INC.
XX PA
XX

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PI Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;  
 XX WPI; 2001-007223/01.  
 XX  
 XX New nucleic acid encoding variants of tumor necrosis factor receptor  
 PT associated factors useful for inhibiting tumor necrosis factor alpha-  
 PT regulated pathways, and for treating Crohn's disease, psoriasis, and  
 PT rheumatoid arthritis.  
 XX  
 XX Example 1; Page 40; 74pp; English.  
 XX  
 XX The present invention relates to variants of tumor necrosis factor (TNF)  
 CC receptor associated factor (TRAF2). TRAF2 has two variants, a splice  
 CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression  
 CC construct with enhanced dominant negative properties referred as "TRAF2  
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting  
 CC TNF alpha signalling pathways and for inhibiting diseases involving over  
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of  
 CC nuclear factor kappa B (NFkB). The variants are also useful for  
 CC inhibiting and treating inflammatory processes involving TNFalpha such as  
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host  
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and  
 CC neurodegenerative diseases or cardiovascular disease such as cardiac  
 CC ischaemia-reperfusion injury following myocardial infarction, coronary  
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion  
 CC injury in the central nervous system (CNS) following stroke, the  
 CC progression and rupture of advanced coronary atherosclerotic plaques,  
 CC development and progression of congestive heart failure, endothelial cell  
 CC injury following balloon angioplasty, or apoptotic cell death of  
 CC myocardial cells. The present sequence is a 5' RT-PCR primer #2 for  
 CC determining the tissue distribution of TRAF2TR (a splice variant of  
 CC TRAF2) cDNA  
 XX  
 XX Sequence 20 BP; 2 A; 6 C; 10 G; 2 T; 0 U; 0 Other;  
 SQ  
 Query Match 0.9%; Score 20; DB 5; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 351 GGTGGAGAGCGCTCGCGCCG 370  
 DB 1 GGTGGAGAGCGCTCGCGCCG 20  
 |||||  
 RESULT 37  
 AAV27181/c  
 ID AAV27181 standard; DNA; 28 BP.  
 XX  
 XX Homo sapiens.  
 AC AAV27181;  
 XX  
 XX 17-SEP-1998 (first entry)  
 DT  
 DE PCR primer B9 for G-protein coupled receptor coding sequence.  
 XX  
 XX G-protein coupled receptor; gene therapy; abnormality detection;  
 KW short form; human; PCR primer; ss.  
 XX  
 XX Synthetic.  
 OS  
 OS Homo sapiens.  
 XX  
 XX EP845529-A2.  
 PN  
 XX  
 XX 03-JUN-1998.  
 PD  
 XX  
 XX 27-OCT-1997; 97EP-00308562.  
 PF  
 XX  
 XX 29-OCT-1996; 96JP-00286823.  
 PR  
 XX  
 XX (TAKE ) TAKEDA CHEM IND LTD.  
 PA  
 XX  
 XX Hinuma S, Fukusumi S, Kawamata Y;  
 PI  
 XX WPI; 1998-288746/26.  
 DR

XX New human G-protein coupled receptor protein - and corresponding DNA,  
 PT ligands, antibodies, etc.  
 XX  
 XX Example 1; Page 25; 65pp; English.  
 XX  
 XX This sequence represents a PCR primer used to isolate DNA encoding a  
 CC human G-protein coupled receptor of the invention. The protein or cells  
 CC expressing the DNA encoding it can be used to screen for agonists or  
 CC antagonists of the receptor, which can be used as drugs for treating  
 CC various diseases (none disclosed). The DNA can also be used for practice  
 CC drug design based on comparisons with structurally analogous ligands and  
 CC receptors. DNA encoding the protein can be used for gene therapy for  
 CC diseases caused by a deficiency of the receptor. The DNA can also be used  
 CC to detect abnormalities in the gene encoding the receptor. The protein or  
 CC fragment can be used to determine levels of receptor ligands in vivo. The  
 CC antibody can be used in assays to detect the protein  
 XX  
 XX Sequence 28 BP; 10 A; 3 C; 13 G; 2 T; 0 U; 0 Other;  
 SQ  
 Query Match 0.9%; Score 20; DB 2; Length 28;  
 Best Local Similarity 82.1%; Pred. No. 5.9e+05;  
 Matches 23; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
 QY 213 CTGCTCTTCTGCTGCGCCGACATCCTC 240  
 DB 28 CTGCTACTTCTGCTGCGCCATCCTCTTC 1  
 |||||  
 RESULT 38  
 AAD01951/c  
 ID AAD01951 standard; DNA; 21 BP.  
 XX  
 XX AAD01951;  
 AC  
 XX  
 XX 26-MAR-2001 (first entry)  
 DT  
 DE Human TRAF2TR 3' RT-PCR primer #1 used in TRAF2TR cDNA isolation.  
 XX  
 XX Human; tumor necrosis factor; TNF; TRAF2; inhibitor; treatment;  
 KW TNF-receptor associated factor; TRAF2 truncated; TRAF2TR;  
 KW TRAF2 truncated-deleted; TRAF2TD; antiinflammatory; RT-PCR primer;  
 KW vasotropic; antipsoriatic; antirheumatic; antiarthritic; antidiabetic;  
 KW antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;  
 KW rheumatoid arthritis; graft versus host disease; cardiovascular disease;  
 KW non-insulin dependent diabetes; inflammatory bowel disease; stroke;  
 KW neurodegenerative disease; cardiac; reverse transcription-PCR; ss.  
 XX  
 XX Homo sapiens.  
 OS  
 XX WO200066737-A1.  
 PN  
 XX 09-NOV-2000.  
 PD  
 XX  
 XX 06-APR-2000; 2000WO-US009178.  
 PF  
 XX  
 XX 30-APR-1999; 99US-0131940P.  
 PR  
 XX (AVET ) AVENTIS PHARM PROD INC.  
 PA  
 XX  
 XX Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;  
 PI  
 XX WPI; 2001-007223/01.  
 XX  
 XX New nucleic acid encoding variants of tumor necrosis factor receptor  
 PT associated factors useful for inhibiting tumor necrosis factor alpha-  
 PT regulated pathways, and for treating Crohn's disease, psoriasis, and  
 PT rheumatoid arthritis.  
 XX  
 XX Example 1; Page 40; 74pp; English.  
 XX  
 XX The present invention relates to variants of tumor necrosis factor (TNF)  
 CC receptor associated factor (TRAF2). TRAF2 has two variants, a splice  
 CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression  
 CC construct with enhanced dominant negative properties referred as "TRAF2  
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting  
 CC TNF alpha signalling pathways and for inhibiting diseases involving over  
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of  
 CC nuclear factor kappa B (NFkB). The variants are also useful for  
 CC inhibiting and treating inflammatory processes involving TNFalpha such as  
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host  
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and  
 CC neurodegenerative diseases or cardiovascular disease such as cardiac  
 CC ischaemia-reperfusion injury following myocardial infarction, coronary  
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion  
 CC injury in the central nervous system (CNS) following stroke, the  
 CC progression and rupture of advanced coronary atherosclerotic plaques,  
 CC development and progression of congestive heart failure, endothelial cell  
 CC injury following balloon angioplasty, or apoptotic cell death of  
 CC myocardial cells. The present sequence is a 5' RT-PCR primer #2 for  
 CC determining the tissue distribution of TRAF2TR (a splice variant of  
 CC TRAF2) cDNA  
 XX  
 XX Sequence 20 BP; 2 A; 6 C; 10 G; 2 T; 0 U; 0 Other;  
 SQ  
 Query Match 0.9%; Score 20; DB 5; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 5.4e+05;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 351 GGTGGAGAGCGCTCGCGCCG 370  
 DB 1 GGTGGAGAGCGCTCGCGCCG 20  
 |||||  
 RESULT 37  
 AAV27181/c  
 ID AAV27181 standard; DNA; 28 BP.  
 XX  
 XX Homo sapiens.  
 AC AAV27181;  
 XX  
 XX 17-SEP-1998 (first entry)  
 DT  
 DE PCR primer B9 for G-protein coupled receptor coding sequence.  
 XX  
 XX G-protein coupled receptor; gene therapy; abnormality detection;  
 KW short form; human; PCR primer; ss.  
 XX  
 XX Synthetic.  
 OS  
 OS Homo sapiens.  
 XX  
 XX EP845529-A2.  
 PN  
 XX  
 XX 03-JUN-1998.  
 PD  
 XX  
 XX 27-OCT-1997; 97EP-00308562.  
 PF  
 XX  
 XX 29-OCT-1996; 96JP-00286823.  
 PR  
 XX  
 XX (TAKE ) TAKEDA CHEM IND LTD.  
 PA  
 XX  
 XX Hinuma S, Fukusumi S, Kawamata Y;  
 PI  
 XX WPI; 1998-288746/26.  
 DR

CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression  
 CC construct with enhanced dominant negative properties referred as "TRAF2  
 CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting  
 CC TNF alpha signalling pathways and for inhibiting diseases involving over  
 CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of  
 CC nuclear factor kappa B (NFkB). The variants are also useful for  
 CC inhibiting and treating inflammatory processes involving TNFalpha such as  
 CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host  
 CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and  
 CC neurodegenerative diseases or cardiovascular disease such as cardiac  
 CC ischaemia-reperfusion injury following myocardial infarction, coronary  
 CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion  
 CC injury in the central nervous system (CNS) following stroke, the  
 CC progression and rupture of advanced coronary atherosclerotic plaques,  
 CC development and progression of congestive heart failure, endothelial cell  
 CC injury following balloon angioplasty, or apoptotic cell death of  
 CC myocardial cells. The present sequence is a 3' RT-PCR primer #1 used for  
 CC isolating cDNA encoding TRAF2TR (a splice variant of TRAF2). This 3'  
 CC primer is also useful for preparing TRAF2TD variant using TRAF2TR cDNA as  
 CC template

XX  
 SQ Sequence 21 BP; 4 A; 7 C; 4 G; 6 T; 0 U; 0 Other;  
 Query Match 0.9%; Score 19.4; DB 5; Length 21;  
 Best Local Similarity 95.2%; Pred. No. 7.5e+05;  
 Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1540 GTGGACCTGACAGGGCTCTAA 1560  
 DB 21 GTGGACCTGACAGGGCTCTAA 1

RESULT 39

ID ADK82643  
 ID ADK82643 standard; DNA; 30 BP.

XX

AC ADK82643;

DT 06-MAY-2004 (first entry)

XX LHRH(A) gene vaccine construction oligonucleotide L1.

XX ss; gene vaccine; farm animal; castration; LHRH;  
 KW luteinising hormone releasing hormone; fowl; coliform bacteria.

XX Unidentified.

XX CN1384200-A.

PD 11-DEC-2002.

XX 13-MAR-2002; 2002CN-00103725.

XX 13-MAR-2002; 2002CN-00103725.

XX (DUNN/) DU N.

XX Du N, Li G;

XX WPI; 2003-290678/29.

XX Genetically engineered body of farm animal castration gene vaccine (DNA  
 PT vaccine).

XX Disclosure; Page 7; 20pp; Chinese.

XX The invention relates to the construction of a gene vaccine for farm  
 CC animal castration which includes artificial synthesis of livestock-type  
 CC LHRH(M) gene and fowl-type LHRH(A) gene and construction of PBS-LHRH  
 CC plasmid; slicing HBS segment from pWR-HBS plasmid and inserting into PBS-  
 CC LHRH plasmid to constitute PBS-HBS/LHRH plasmid. These are used to  
 CC convert coliform bacteria to constitute the gene engineering antibody  
 CC Escherichia coli-pCDNA3.1-HBs/LHRH(M) and E.coli-pCDNA3.1-HBs/LHRH(A).

CC This sequence constitutes an oligonucleotide used to generate the LHRH(A)  
 CC construct for the gene vaccine.

XX Sequence 30 BP; 7 A; 8 C; 8 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 0.9%; Score 19.4; DB 10; Length 30;  
 Best Local Similarity 79.3%; Pred. No. 8.3e+05;  
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 232 AGCATCTCAGCTCTGGGCTCAGAACTG 260  
 DB 2 AGGATCTCAGCACTGGTCTTATGGACTG 30

RESULT 40

ID ADK82641

XX ID ADK82641 standard; DNA; 30 BP.

AC ADK82641;

DT 06-MAY-2004 (first entry)

XX LHRH(M) gene vaccine construction oligonucleotide L1.  
 DE ss; gene vaccine; farm animal; castration; LHRH;  
 KW luteinising hormone releasing hormone; fowl; coliform bacteria.

XX Unidentified.

XX CN1384200-A.

PD 11-DEC-2002.

XX 13-MAR-2002; 2002CN-00103725.

XX 13-MAR-2002; 2002CN-00103725.

XX (DUNN/) DU N.

XX Du N, Li G;

XX WPI; 2003-290678/29.

XX Genetically engineered body of farm animal castration gene vaccine (DNA  
 PT vaccine).

XX Disclosure; Page 7; 20pp; Chinese.

XX The invention relates to the construction of a gene vaccine for farm  
 CC animal castration which includes artificial synthesis of livestock-type  
 CC LHRH(M) gene and fowl-type LHRH(A) gene and construction of PBS-LHRH  
 CC plasmid; slicing HBS segment from pWR-HBS plasmid and inserting into PBS-  
 CC LHRH plasmid to constitute PBS-HBS/LHRH plasmid. These are used to  
 CC convert coliform bacteria to constitute the gene engineering antibody  
 CC Escherichia coli-pCDNA3.1-HBs/LHRH(M) and E.coli-pCDNA3.1-HBs/LHRH(A).

XX Sequence 30 BP; 7 A; 8 C; 8 G; 7 T; 0 U; 0 Other;  
 SQ Query Match 0.9%; Score 19.4; DB 10; Length 30;  
 Best Local Similarity 79.3%; Pred. No. 8.3e+05;  
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 232 AGCATCTCAGCTCTGGGCTCAGAACTG 260  
 DB 2 AGGATCTCAGCACTGGTCTTATGGACTG 30

RESULT 41

ID ADM11769

XX ID ADM11769 standard; RNA; 19 BP.









DR WPI; 1997-154269/14.  
DR P-PSDB; AAW00940.  
XX Bacterial peptide library expressing cell invasive protein on the cell  
PT surface - bonded to a random target protein which is thus introduced to  
PT target cells.  
XX  
PS Disclosure; Page 45; 86pp; Japanese.  
XX  
CC Escherichia coli was introduced into VAL3 to obtain a cell intrusion E.  
CC coli. This was carried out using ESPREL. 22 clones were selected from this  
CC and plasmid extracted. DNA sequencing was carried out by Taq cycle  
CC sequencing. The invention concerns a fusion protein which presents at the  
CC surface of bacterial cells transformed with DNA coding for the fusion  
CC protein. Bacterium exhibiting the fused protein on its surface are used  
CC to produce a bacterial peptide library which is an aggregate of such  
CC bacteria. The bacterial peptide library is useful in identification of  
CC target proteins having a desired biochemical activity in target cells,  
CC for diagnosis or treatment of diseases such as autoimmune diseases and  
CC cancer. The bacterial library readily reproduces and is relatively  
CC stable, without significant change or denaturation during preservation  
XX  
SQ Sequence 30 BP; 7 A; 2 C; 19 G; 2 T; 0 U; 0 Other;  
Query Match 0.8%; Score 18.8; DB 2; Length 30;  
Best Local Similarity 76.7%; Pred. No. 1.1e+06;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;  
QY 742 GAGAAACAGCAGGAGGACGAGGTCAGTGG 771  
|||||  
Db 1 GAGAGCGGGGAGGAGGATGAGGTGCAGGGG 30  
RESULT 48  
ABK50863/c  
ID ABK50863 standard; DNA; 29 BP.  
XX  
AC ABK50863;  
XX  
DT 30-JUL-2002 (first entry)  
XX  
XX Cholera toxin A sub-unit (CtxA1), reverse PCR primer.  
XX  
XX Co-expression DNA vaccine; antibacterial; antiviral; antiparasitic;  
KW immunosimulant; vaccine; immune response; systemic tolerance;  
KW Tat-mediated immune deviation; PCR; primer; ss.  
XX  
OS Vibrio cholerae.  
XX  
XX WO200219968-A2.  
XX  
XX 14-MAR-2002.  
XX  
XX 10-SEP-2001; 2001WO-US028365.  
XX  
XX 08-SEP-2000; 2000US-0231070P.  
XX 08-SEP-2000; 2000US-0231376P.  
XX 08-SEP-2000; 2000US-0231403P.  
XX 08-SEP-2000; 2000US-0231449P.  
XX  
XX (UYMA-) UNIV MARYLAND BIOTECHNOLOGY INST.  
XX  
XX Hone D, Lewis G, Fouts T, Bagley K, Boyson M, Obriecht C;  
PI Shata M, Agwale S;  
XX  
XX WPI; 2002-383031/41.  
XX  
XX Co-expression DNA vaccines comprising an antigen-encoding region and a  
PT biologically active component-encoding region, useful as vaccines against  
PT viral, bacterial and parasitic pathogens, or for enhancing immune  
PT responses.  
XX  
XX Example 6; Page 51; 108pp; English.  
PS

XX The invention describes a new DNA vaccine comprising a region encoding an  
CC antigen component and a region encoding at least one biologically active  
CC component such as adjuvants, immunoregulatory peptides and proteins,  
CC antisense RNAs, and catalytic RNAs. The co-expression DNA vaccines are  
CC useful for vaccinating animals against viral, bacterial and parasitic  
CC pathogens, for enhancing immune responses, for inducing systemic  
CC tolerance, and for treating and/or preventing Tat-mediated immune  
CC deviation. The co-expression DNA vaccines are capable of inducing  
CC significantly stronger immune responses against vaccine antigens than  
CC conventional DNA vaccines, and are also capable of inducing systemic  
CC tolerance. This sequence represents a PCR primer used to isolate DNA  
CC encoding the cholera toxin sub-unit A (CtxA1), an immunoregulatory  
CC molecule useful in the co-expression DNA vaccines described in the  
CC invention  
XX  
SQ Sequence 29 BP; 4 A; 7 C; 12 G; 6 T; 0 U; 0 Other;  
Query Match 0.8%; Score 18.6; DB 6; Length 29;  
Best Local Similarity 84.0%; Pred. No. 1.2e+06;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
QY 1440 CATGAACATCCGACGCGCTGCCCC 1464  
|||||  
Db 25 CAAGATCATCGTAAGCGCGCGCCCC 1  
RESULT 49  
ABK70442  
ID ABK70442 standard; DNA; 30 BP.  
XX  
AC ABK70442;  
XX  
DT 15-JUL-2002 (first entry)  
XX  
DE In-situ analysis synthetic probe #10.  
XX  
KW Human; oligonucleotide label-domain; CMV; cytomegalovirus; EBV;  
KW Epstein-Barr virus; lambda-immunoglobulin light chain; hapten;  
KW kappa-immunoglobulin light chain; repetitive Alu sequence; EBER;  
KW Epstein-Barr early RNA; probe; ss.  
XX  
OS Synthetic.  
XX  
XX WO200222874-A2.  
XX  
XX 21-MAR-2002.  
XX  
XX 06-SEP-2001; 2001WO-US028014.  
XX  
XX 15-SEP-2000; 2000US-0233177P.  
XX  
XX (VENT-) VENTANA MEDICAL SYSTEMS INC.  
XX  
XX Utermohlen JG, Connaughton J;  
PI  
XX WPI; 2002-371972/40.  
XX  
XX Novel oligonucleotide label-domain for incorporation into oligonucleotide  
PT probes useful for detecting or localizing nucleic acid target genes  
PT within a cell or tissue sample.  
XX  
XX Disclosure; Page 59; 71pp; English.  
XX  
XX The present invention relates to a new oligonucleotide label-domain  
CC comprising the sequence (CTATT) n and its complement (AAAATAG) n, where  
CC n is 1. The probe sets of the invention are useful for detecting kappa or  
CC lambda-immunoglobulin light chain mRNA or corresponding heteronuclear  
CC RNA, CMV (cytomegalovirus) immediate early RNA, EBV (Epstein-Barr virus)  
CC early RNA 1 and RNA 2, and human Alu repetitive satellite genomic  
CC sequences. The invention is a useful generic sequence for incorporation  
CC into oligonucleotide probes for detecting gene-specific sequences within  
CC cells or tissue samples in in situ hybridisation analysis and for

CC attaching a label to immunoglobulins or other proteins for detecting  
CC haptens and antigens in immunochemical analyses. The present nucleic  
CC acid sequence represents one of a collection (ABK70376-ABK70301) of  
CC oligonucleotide probes that were used in the invention for detecting or  
CC localising a plurality nucleic acid target gene or antigen within a cell  
CC or tissue sample  
XX  
SQ Sequence 30 BP; 1 A; 8 C; 9 G; 12 T; 0 U; 0 Other;  
Query Match 0.8%; Score 18.6; DB 6; Length 30;  
Best Local Similarity 84.0%; Pred. No. 1.3e+06;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
QY 1836 GCTGCCCTTCTGCTCTGTCAGTG 1860  
|||||  
Db 6 GCTGCTCTGCTCTGCTCTG 30  
RESULT 50  
ACI67643  
ID ACI67643 standard; DNA; 25 BP.  
XX  
AC ACI67643;  
XX  
DT 14-OCT-2003 (first entry)  
XX  
DE Human microarray DNA oligonucleotide SEQ ID NO 67634.  
XX  
KW EST; ss; probe; expressed sequence tag; microarray; gene expression;  
KW genetic variation; biallelic marker; polymorphism; human;  
KW cross-species comparison.  
XX  
OS Homo sapiens.  
XX  
FN US2003104410-A1.  
XX  
PD 05-JUN-2003.  
XX  
PF 15-MAR-2002; 2002US-00098263.  
XX  
PR 16-MAR-2001; 2001US-0276759P.  
XX  
PA (AFFY-) AFFYMETRIX INC.  
XX  
PI Mittmann MP;  
XX  
WPI; 2003-567953/53.  
XX  
New array of nucleic acid probes, useful for in situ hybridization, in  
Southern, Northern or dot-blot hybridization to identify or detect the  
sequence or specific mutations of any gene.  
XX  
Claim 1; SEQ ID NO 67634; 9pp; English.  
XX  
The invention discloses a microarray comprising a plurality of nucleic  
acid probes including one of 2,018,500 fully defined sequences, or its  
perfect match, perfect mismatch, antisense match or antisense mismatch.  
XX  
Also disclosed is a method of gene expression analysis. The array is used  
in monitoring gene expression levels by hybridisation to a DNA library,  
in analysis of genetic variation or in hybridisation of tag-labelled  
compounds. The nucleic acid probes are specifically designed for analysis  
of at least one target sequence. The method of analysis comprises  
hybridising at least one or more nucleic acids to at least two or more  
nucleic acid probes and detecting the hybridisation. The nucleic acid  
probes are attached to a solid support. The analysis comprises monitoring  
gene expression levels, identifying biallelic markers or polymorphisms,  
or family members of a gene and a cross-species comparison. Each of the  
nucleic acids further comprises a tag sequence. The array of nucleic acid  
probes is useful in situ hybridisation, in Southern, Northern or dot-  
blot hybridisation to identify or detect the sequence or specific  
mutations of any gene, in mapping the 5' termini of mRNA molecules by  
primer extensions or in screening cDNA or genomic libraries or subclones  
for additional subclones containing segments of DNA that have been

CC isolated and previously sequenced. The sequence presented is one of the  
CC nucleic acid probes incorporated in the microarray. Note: The sequence  
CC data for this patent can also be obtained in electronic format directly  
CC from USPTO at seqdata.uspto.gov/sequence.html  
XX  
SQ Sequence 25 BP; 5 A; 9 C; 9 G; 2 T; 0 U; 0 Other;  
Query Match 0.8%; Score 18.4; DB 9; Length 25;  
Best Local Similarity 95.0%; Pred. No. 1.3e+06;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 747 ACAGCAGAGCAGCAGAGTGC 766  
|||||  
Db 5 ACAGCAGAGCAGCAGCGTGC 24  
Search completed: November 20, 2004, 04:40:54  
Job time : 1078 secs

GenCore version 5.1.1.6  
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OM nucleic - nucleic search, using sw model

Run on: November 19, 2004, 17:55:50 ; Search time 9562 Seconds  
(without alignments)  
11186.917 Million cell updates/sec

Title: US-10-067-125-2  
Perfect score: 2262  
Sequence: 1 gaattccggcgctgcgac.....attaaaccattacaattctc 2262

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 4526729 seqs, 23644849745 residues

Total number of hits satisfying chosen parameters: 1393428

Minimum DB seq length: 0  
Maximum DB seq length: 30

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 50 summaries

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2: gb.htg.\*  
3: gb.in.\*  
4: gb.om.\*  
5: gb.ov.\*  
6: gb.pat.\*  
7: gb.ph.\*  
8: gb.pl.\*  
9: gb.pr.\*  
10: gb.roi.\*  
11: gb.sts.\*  
12: gb.sy.\*  
13: gb.un.\*  
14: gb.vi.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	24	1.1	24	6	AX937536 Sequence
C 2	23	1.0	23	6	CQ799591 Sequence
C 3	23	1.0	23	6	CQ799592 Sequence
C 4	23	1.0	30	6	A66552 Sequence 8
C 5	23	1.0	30	6	AX089601 Sequence
C 6	22	1.0	22	6	AX937535 Sequence
C 7	20.6	0.9	21	6	AX096586 Sequence
C 8	20.6	0.9	21	6	AX154242 Sequence
C 9	20	0.9	20	6	BD224912 Sequence
C 10	20	0.9	20	6	BD224913 Antisense
C 11	20	0.9	20	6	BD224914 Antisense
C 12	20	0.9	20	6	BD224915 Antisense
C 13	20	0.9	20	6	BD224916 Antisense
C 14	20	0.9	20	6	BD224917 Antisense
C 15	20	0.9	20	6	BD224918 Antisense
C 16	20	0.9	20	6	BD224919 Antisense
C 17	20	0.9	20	6	BD224920 Antisense
C 18	20	0.9	20	6	BD224921 Antisense
C 19	20	0.9	20	6	BD224922 Antisense

C 20	20	0.9	20	6	BD224923	Antisense
C 21	20	0.9	20	6	BD224924	Antisense
C 22	20	0.9	20	6	BD224925	Antisense
C 23	20	0.9	20	6	BD224926	Antisense
C 24	20	0.9	20	6	BD224927	Antisense
C 25	20	0.9	20	6	BD224928	Antisense
C 26	20	0.9	20	6	BD224929	Antisense
C 27	20	0.9	20	6	BD224930	Antisense
C 28	20	0.9	20	6	BD224931	Antisense
C 29	20	0.9	20	6	BD224932	Antisense
C 30	20	0.9	20	6	BD224933	Antisense
C 31	20	0.9	20	6	AR211134	Sequence
C 32	20	0.9	20	6	AR211135	Sequence
C 33	20	0.9	20	6	AR211136	Sequence
C 34	20	0.9	20	6	AR211137	Sequence
C 35	20	0.9	20	6	AR211138	Sequence
C 36	20	0.9	20	6	AR211139	Sequence
C 37	20	0.9	20	6	AR211140	Sequence
C 38	20	0.9	20	6	AR211141	Sequence
C 39	20	0.9	20	6	AR211142	Sequence
C 40	20	0.9	20	6	AR211143	Sequence
C 41	20	0.9	20	6	AR211144	Sequence
C 42	20	0.9	20	6	AR211145	Sequence
C 43	20	0.9	20	6	AR211146	Sequence
C 44	20	0.9	20	6	AR211147	Sequence
C 45	20	0.9	20	6	AR211148	Sequence
C 46	20	0.9	20	6	AR211149	Sequence
C 47	20	0.9	20	6	AR211150	Sequence
C 48	20	0.9	20	6	AR211151	Sequence
C 49	20	0.9	20	6	AR211152	Sequence
C 50	20	0.9	20	6	AR211153	Sequence

ALIGNMENTS

RESULT 1  
AX937536/c  
LOCUS AX937536 24 bp DNA linear PAT 06-JAN-2004  
DEFINITION Sequence 16 from Patent EP1361433.  
ACCESSION AX937536  
VERSION AX937536.1 GI:40713576  
KEYWORDS synthetic construct  
SOURCE synthetic construct  
ORGANISM artificial sequences.  
REFERENCE 1  
AUTHORS Yanai,Y.C., Yamamoto,S.C., Yamamoto,K.C. and Ikegami,H.C.  
TITLE Method for estimating therapeutic efficacy of tumor necrosis factor (TNF)  
JOURNAL Patent: EP 1361433-A 16 12-NOV-2003;  
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO (JP)

FEATURES  
Location/Qualifiers  
1..24  
/organism="synthetic construct"  
/mol\_type="unassigned DNA"  
/db\_xref="taxon:32630"  
/note="Oligonucleotide used as primer for PCR detection of TRAF2 mRNA"

ORIGIN

Query Match 1.1%; Score 24; DB 6; Length 24;  
Best Local Similarity 100.0%; Pred. No. 2.2e+06;  
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1223 TGTGTCGCGTATCTACCTGAACG 1246  
|||||  
Db 24 TGTGTCGCGTATCTACCTGAACG 1

RESULT 2  
CQ799591  
LOCUS CQ799591 23 bp DNA linear PAT 28-APR-2004

```

DEFINITION Sequence 241 from Patent WO2004031413.
ACCESSION CQ799591
VERSION CQ799591.1 GI:46848538
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Nakamura,Y., Daigo,Y. and Nakatsuru,S.
TITLE Method for diagnosing non-small cell lung cancers
JOURNAL Patent: WO 2004031413-A 241 15-APR-2004; represented by the
Oncotherapy Science, Inc. (JP); Japan as president of the university of Tokyo (JP)
FEATURES
source
1. .23
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="Artificially synthesized primer sequence for RT-PCR"
ORIGIN
Query Match 1.0%; Score 23; DB 6; Length 23;
Best Local Similarity 100.0%; Pred. No. 3.6e+06;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1224 GTGCTCGGTATCTACCTGAACG 1246
Db 1 GTGCTCGGTATCTACCTGAACG 23
RESULT 3
LOCUS CQ799592/c 23 bp DNA linear PAT 28-APR-2004
DEFINITION Sequence 242 from Patent WO2004031413.
ACCESSION CQ799592
VERSION CQ799592.1 GI:46848539
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Nakamura,Y., Daigo,Y. and Nakatsuru,S.
TITLE Method for diagnosing non-small cell lung cancers
JOURNAL Patent: WO 2004031413-A 242 15-APR-2004;
Oncotherapy Science, Inc. (JP); Japan as represented by the
president of the university of Tokyo (JP)
FEATURES
source
1. .23
Location/Qualifiers
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="Artificially synthesized primer sequence for RT-PCR"
ORIGIN
Query Match 1.0%; Score 23; DB 6; Length 23;
Best Local Similarity 100.0%; Pred. No. 3.6e+06;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2222 CCAGCTCAGGACAGACAGATTAT 2244
Db 23 CCAGCTCAGGACAGACAGATTAT 1
RESULT 4
LOCUS A66652
DEFINITION Sequence 8 from Patent WO9737016.
ACCESSION A66652
VERSION A66652.1 GI:4538142
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Yanai,Y.C., Yamamoto,S.C., Yamamoto,K.C. and Ikegami,H.C.
TITLE Method for estimating therapeutic efficacy of tumor necrosis factor
JOURNAL Patent: EP 1361433-A 15 12-NOV-2003;
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO (JP)
ORGANISM unidentified
unclassified.
1 (bases 1 to 30)
Wallach,D., Malinin,N., Boldin,M., Kovalenko,A. and Mett,I.
MODULATORS OF TNF RECEPTOR ASSOCIATED FACTOR (TRAF), THEIR
PREPARATION AND USE
Patent: WO 9737016-A 8 09-OCT-1997;
YEDA RES & DEV (IL)
Other publication AU 2175597 19971022.
LOCATION/Qualifiers
1. .30
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
ORIGIN
Query Match 1.0%; Score 23; DB 6; Length 30;
Best Local Similarity 100.0%; Pred. No. 3.6e+06;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 52 CTCATGGCTGCAGCTAGCGTGAC 74
Db 8 CTCATGGCTGCAGCTAGCGTGAC 30
RESULT 5
LOCUS AX089601 30 bp DNA linear PAT 21-MAR-2001
DEFINITION Sequence 1 from Patent WO0116314.
ACCESSION AX089601
VERSION AX089601.1 GI:13443793
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Wallach,D., Malinin,N., Sinha,I.W. and Leu,S.
TITLE Iren protein, its preparation and use
JOURNAL Patent: WO 0116314-A 1 08-MAR-2001;
YEDA RESEARCH AND DEVELOPMENT Co. LTD. (IL)
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/notes="Synthetic DNA Sequence"
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Best Local Similarity 100.0%; Pred. No. 3.6e+06;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 52 CTCATGGCTGCAGCTAGCGTGAC 74
Db 8 CTCATGGCTGCAGCTAGCGTGAC 30
RESULT 6
LOCUS AX937535 22 bp DNA linear PAT 06-JAN-2004
DEFINITION Sequence 15 from Patent EP1361433.
ACCESSION AX937535
VERSION AX937535.1 GI:40713575
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1
AUTHORS Yanai,Y.C., Yamamoto,S.C., Yamamoto,K.C. and Ikegami,H.C.
TITLE Method for estimating therapeutic efficacy of tumor necrosis factor
JOURNAL Patent: EP 1361433-A 15 12-NOV-2003;
KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO (JP)

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PN JP 2002526095-A/48
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
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FH Key Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CGGCGGCTGCACCGTTGG 26
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DB 20 CGGCGGCTGCACCGTTGG 1

RESULT 11
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LOCUS
DEFINITION Antisense modulation of expression of tumor necrosis factor
ACCESSION BD224914
VERSION BD224914.1 GI:33034684
KEYWORDS JP 2002526095-A/49.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
JOURNAL Patent: JP 2002526095-A 49 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT OS Artificial Sequence
PN JP 2002526095-A/49
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 GGTACACGCTCTCATGGCTG 61
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DB 20 GGTACACGCTCTCATGGCTG 1

RESULT 12
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LOCUS
DEFINITION Antisense modulation of expression of tumor necrosis factor
ACCESSION BD224915
VERSION BD224915.1 GI:33034685
KEYWORDS JP 2002526095-A/50.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
JOURNAL Patent: JP 2002526095-A 50 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT OS Artificial Sequence
PN JP 2002526095-A/50
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
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FH Key Location/Qualifiers
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71
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DB 20 CTCATGGCTGCAGCTAGCGT 1

RESULT 13
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LOCUS
DEFINITION Antisense modulation of expression of tumor necrosis factor
ACCESSION BD224916
VERSION BD224916.1 GI:33034686
KEYWORDS JP 2002526095-A/51.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
JOURNAL Patent: JP 2002526095-A 51 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT OS Artificial Sequence
PN JP 2002526095-A/51
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
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FH Key Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
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QY 52 CTCATGGCTGCAGCTAGCGT 71
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DB 20 CTCATGGCTGCAGCTAGCGT 1

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DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224915
VERSION BD224915.1 GI:33034685
KEYWORDS JP 2002526095-A/50.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL Patent: JP 2002526095-A 50 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT OS Artificial Sequence
PN JP 2002526095-A/50
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71
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DB 20 CTCATGGCTGCAGCTAGCGT 1

RESULT 13
BD224916/c
LOCUS
DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224916
VERSION BD224916.1 GI:33034686
KEYWORDS JP 2002526095-A/51.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL Patent: JP 2002526095-A 51 20-AUG-2002;
ISIS PHARMACEUTICALS INC
COMMENT OS Artificial Sequence
PN JP 2002526095-A/51
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
antisense sequence
FH Key Location/Qualifiers
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ORIGIN
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CTCATGGCTGCAGCTAGCGT 71
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Qy 185 CCTTCAGGCGCAGTGTGGC 204
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Db 20 CCTTCAGGCGCAGTGTGGC 1

RESULT 14
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LOCUS BD224917.1 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224917.1 GI:33034687
VERSION BD224917.1 GI:33034687
KEYWORDS JP 2002526095-A/52.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL Patent: JP 2002526095-A 52 20-AUG-2002;
COMMENT OS Artificial Sequence
PN JP 2002526095-A/52
PD 20-AUG-2002
PR 05-OCT-1999 JP 2000574546
PI BREND A F BAKER,LEX M COWSETT,BRETT P MONIA,XIAOXING S XU PC
C12N15/09,A61K31/7105,A61K48/00,A61P29/00,A61P35/04,C12N15/00 CC
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FH Key Location/Qualifiers
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Qy 422 GCTGCACGAGCGCGCTGC 441
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Db 20 GCTGCACGAGCGCGCTGC 1

RESULT 16
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LOCUS BD224919.1 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224919.1 GI:33034689
VERSION BD224919.1 GI:33034689
KEYWORDS JP 2002526095-A/54.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL Patent: JP 2002526095-A 54 20-AUG-2002;
COMMENT OS Artificial Sequence
PN JP 2002526095-A/54
PD 20-AUG-2002
PR 05-OCT-1999 JP 2000574546
PI BREND A F BAKER,LEX M COWSETT,BRETT P MONIA,XIAOXING S XU PC
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antisense sequence
FH Key Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
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Qy 348 GGAGGTGGAGCGCTGCCGG 367
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Db 20 GGAGGTGGAGCGCTGCCGG 1

RESULT 15
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LOCUS BD224918.1 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224918.1 GI:33034688
VERSION BD224918.1 GI:33034688
KEYWORDS JP 2002526095-A/53.
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL Patent: JP 2002526095-A 53 20-AUG-2002;
COMMENT OS Artificial Sequence
PN JP 2002526095-A/53
PD 20-AUG-2002
PR 05-OCT-1999 JP 2000574546
PI BREND A F BAKER,LEX M COWSETT,BRETT P MONIA,XIAOXING S XU PC
C12N15/09,A61K31/7105,A61K48/00,A61P29/00,A61P35/04,C12N15/00 CC
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 576 CGTGAAGCGCGCACCGAGG 595
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Db 20 CGTGAAGCGCGCACCGAGG 1

RESULT 17
BD224920/c

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LOCUS       BD224920                20 bp    DNA        linear        PAT 17-JUL-2003
DEFINITION  Antisense modulation of expression of tumor necrosis factor
            receptor-associated factor (TRAF).
ACCESSION   BD224920
VERSION     BD224920.1 GI:33034690
KEYWORDS    JP 2002526095-A/55.
SOURCE      synthetic construct
            ORGANISM
            1. (bases 1 to 20)
            Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
            Antisense modulation of expression of tumor necrosis factor
            receptor-associated factor (TRAF)
            Patent: JP 2002526095-A 55 20-AUG-2002;
            ISIS PHARMACEUTICALS INC
            OS Artificial Sequence
            PN JP 2002526095-A/55
            PD 20-AUG-2002
            PF 05-OCT-1999 JP 2000574546
            PR 06-OCT-1998 US 09/167109
            PI BRENDIA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
            C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 675 GACTGTGGCAAGTGTGAG 694
Db 20 GACTGTGGCAAGTGTGAG 1

RESULT 18
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LOCUS       BD224921                20 bp    DNA        linear        PAT 17-JUL-2003
DEFINITION  Antisense modulation of expression of tumor necrosis factor
            receptor-associated factor (TRAF).
ACCESSION   BD224921
VERSION     BD224921.1 GI:33034691
KEYWORDS    JP 2002526095-A/56.
SOURCE      synthetic construct
            ORGANISM
            1. (bases 1 to 20)
            Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
            Antisense modulation of expression of tumor necrosis factor
            receptor-associated factor (TRAF)
            Patent: JP 2002526095-A 56 20-AUG-2002;
            ISIS PHARMACEUTICALS INC
            OS Artificial Sequence
            PN JP 2002526095-A/56
            PD 20-AUG-2002
            PF 05-OCT-1999 JP 2000574546
            PR 06-OCT-1998 US 09/167109
            PI BRENDIA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
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/mol_type='genomic DNA'
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGACGACGAGTGCAGTG 770
Db 20 CAGGACGACGAGTGCAGTG 1

RESULT 19
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DEFINITION  Antisense modulation of expression of tumor necrosis factor
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ACCESSION   BD224922
VERSION     BD224922.1 GI:33034692
KEYWORDS    JP 2002526095-A/57.
SOURCE      synthetic construct
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            Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
            Antisense modulation of expression of tumor necrosis factor
            receptor-associated factor (TRAF)
            Patent: JP 2002526095-A 57 20-AUG-2002;
            ISIS PHARMACEUTICALS INC
            OS Artificial Sequence
            PN JP 2002526095-A/57
            PD 20-AUG-2002
            PF 05-OCT-1999 JP 2000574546
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            PI BRENDIA F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
            C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC
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            /mol_type='genomic DNA'
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTGAGAGCTCTGCAGAGG 867
Db 20 GGTGAGAGCTCTGCAGAGG 1

RESULT 20
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LOCUS       BD224923                20 bp    DNA        linear        PAT 17-JUL-2003
DEFINITION  Antisense modulation of expression of tumor necrosis factor
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ACCESSION   BD224923
VERSION     BD224923.1 GI:33034693
KEYWORDS    JP 2002526095-A/58.
SOURCE      synthetic construct
            ORGANISM
            1. (bases 1 to 20)
            Baker,B.F., Cowsett,L.M., Monia,B.P. and Xu,X.S.
            Antisense modulation of expression of tumor necrosis factor
            receptor-associated factor (TRAF)
            Patent: JP 2002526095-A 58 20-AUG-2002;

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Db		20 GGCCATTGTGGACCTGACAG 1 	
RESULT 24		BD224927/c	
LOCUS		20 bp DNA linear PAT 17-JUL-2003	
DEFINITION		Antisense modulation of expression of tumor necrosis factor	
ACCESSION		BD224927	
VERSION		BD224927.1 GI:33034697	
KEYWORDS		JP 2002526095-A/62.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 62 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/62 PD 20-AUG-2002	
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ORIGIN		Antisense modulation of expression of tumor necrosis factor (TRAF).	
ACCESSION		BD224927	
VERSION		BD224927.1 GI:33034697	
KEYWORDS		JP 2002526095-A/62.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 62 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/62 PD 20-AUG-2002	
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ORIGIN		Antisense modulation of expression of tumor necrosis factor (TRAF).	
ACCESSION		BD224928	
VERSION		BD224928.1 GI:33034698	
KEYWORDS		JP 2002526095-A/63.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 63 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/63 PD 20-AUG-2002	
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ACCESSION		BD224928	
VERSION		BD224928.1 GI:33034698	
KEYWORDS		JP 2002526095-A/63.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 63 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/63 PD 20-AUG-2002	
FEATURES		source Location/Qualifiers 1..20 /organism="synthetic construct" /mol_type="genomic DNA" /db_xref="taxon:32630"	
ORIGIN		Antisense modulation of expression of tumor necrosis factor (TRAF).	
ACCESSION		BD224928	
VERSION		BD224928.1 GI:33034698	
KEYWORDS		JP 2002526095-A/63.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 63 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/63 PD 20-AUG-2002	
FEATURES		source Location/Qualifiers 1..20 /organism="synthetic construct" /mol_type="genomic DNA" /db_xref="taxon:32630"	
ORIGIN		Antisense modulation of expression of tumor necrosis factor (TRAF).	
ACCESSION		BD224928	
VERSION		BD224928.1 GI:33034698	
KEYWORDS		JP 2002526095-A/63.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 63 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/63 PD 20-AUG-2002	
FEATURES		source Location/Qualifiers 1..20 /organism="synthetic construct" /mol_type="genomic DNA" /db_xref="taxon:32630"	
ORIGIN		Antisense modulation of expression of tumor necrosis factor (TRAF).	
ACCESSION		BD224928	
VERSION		BD224928.1 GI:33034698	
KEYWORDS		JP 2002526095-A/63.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 63 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/63 PD 20-AUG-2002	
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ORIGIN		Antisense modulation of expression of tumor necrosis factor (TRAF).	
ACCESSION		BD224928	
VERSION		BD224928.1 GI:33034698	
KEYWORDS		JP 2002526095-A/63.	
SOURCE		synthetic construct	
ORGANISM		artificial sequences.	
REFERENCE		1 (bases 1 to 20)	
AUTHORS		Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.	
TITLE		receptor-associated factor (TRAF)	
JOURNAL		Patent: JP 2002526095-A 63 20-AUG-2002;	
COMMENT		ISIS PHARMACEUTICALS INC OS Artificial Sequence PN JP 2002526095-A/63 PD 20-AUG-20	

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/mol_type="genomic DNA"
/db_xref="taxon:32630"

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Best Local Similarity 100.0%; Pred.No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1994 GGCTCTCTGCTGCCAGAGC 2133
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20 GGCTCTCTGCTGCCAGAGC 1

RESULT 29
BD224932/c
LOCUS BD224932 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224932.1 GI:33034702
VERSION JP 2002526095-A/67.
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.P., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
JOURNAL Patent: JP 2002526095-A 67 20-AUG-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
PN JP 2002526095-A/67
PD 20-AUG-2002
PF 05-OCT-1999 JP 2000574546
PI 06-OCT-1998 US 09/167109
PR BREND A F BAKER, LEX M COWSETT, BRETT P MONIA, XIAOXING S XU PC
C12N15/09,A61K31/7105,A61K48/00,A61P29/00,A61P35/04,C12N15/00 CC
ant sense sequence
FH Key Location/Qualifiers
FT source 1..20
FT Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

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/mol_type="genomic DNA"
/db_xref="taxon:32630"

ORIGIN
Query Match 0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred.No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2117 CTGTGGCAGCTGGCTGTGG 2136
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20 CTGTGGCAGCTGGCTGTGG 1

RESULT 30
BD224933/c
LOCUS BD224933 20 bp DNA linear PAT 17-JUL-2003
DEFINITION Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).
ACCESSION BD224933.1 GI:33034703
VERSION JP 2002526095-A/68.
KEYWORDS synthetic construct
SOURCE synthetic construct
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.P., Cowsett,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF).

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receptor-associated factor (TRAF)  
Patent: JP 2002526095-A 68 20-AUG-2002;  
ISIS PHARMACEUTICALS INC  
OS Artificial Sequence  
PN JP 2002526095-A/68  
PD 20-AUG-2002  
PF 05-OCT-1999 JP 2000574546  
PR 06-OCT-1998 US 09/167109  
PT BRENDA F BAKER, LEX M COWSEET, BRETT P MONIA, XIAOXING S XU PC  
C12N15/09, A61K31/7105, A61K48/00, A61P29/00, A61P35/04, C12N15/00 CC  
artisenase sequence  
FH key Location/Qualifiers  
FT source 1..20  
FT /organism="synthetic construct"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:32630"

FEATURES  
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Location/Qualifiers  
/organism="Artificial Sequence".

ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2221 TCAGGTCACGAGACAGAG 2240  
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Db 20 TCAGGTCACGAGACAGAG 1

RESULT 31  
AR211134/c  
LOCUS AR211134 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 47 from patent US 6399297.  
ACCESSION AR211134  
VERSION AR211134.1 GI:21514376  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unclassified.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL receptor-associated factors (TRAFs)  
FEATURES Patent: US 6399297-A 47 04-JUN-2002;  
source Location/Qualifiers  
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/mol\_type="unassigned DNA"

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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAATTCGGCGCGCTGGAC 20  
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Db 20 GAATTCGGCGCGCTGGAC 1

RESULT 32  
AR211135/c  
LOCUS AR211135 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 48 from patent US 6399297.  
ACCESSION AR211135  
VERSION AR211135.1 GI:21514377  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unclassified.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor

receptor-associated factors (TRAFs)  
Patent: US 6399297-A 48 04-JUN-2002;  
Location/Qualifiers  
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/mol\_type="unassigned DNA"

ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CGGCGCGCTGCGACCGTTGG 26  
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Db 20 CGGCGCGCTGCGACCGTTGG 1

RESULT 33  
AR211136/c  
LOCUS AR211136 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 49 from patent US 6399297.  
ACCESSION AR211136  
VERSION AR211136.1 GI:21514379  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unclassified.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL receptor-associated factors (TRAFs)  
FEATURES Patent: US 6399297-A 49 04-JUN-2002;  
source Location/Qualifiers  
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/mol\_type="unassigned DNA"

ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 42 GGTACAGCTCTCATGGCTG 61  
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Db 20 GGTACAGCTCTCATGGCTG 1

RESULT 34  
AR211137/c  
LOCUS AR211137 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 50 from patent US 6399297.  
ACCESSION AR211137  
VERSION AR211137.1 GI:21514380  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unclassified.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL receptor-associated factors (TRAFs)  
FEATURES Patent: US 6399297-A 50 04-JUN-2002;  
source Location/Qualifiers  
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/mol\_type="unassigned DNA"

ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 52 CTCATGGCTGCGAGTAGCGT 71

Db 20 CTCATGGCTGCAGCTAGCGT 1  
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RESULT 35  
AR211138/c  
LOCUS AR211138 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 51 from patent US 6399297.  
ACCESSION AR211138  
VERSION AR211138.1 GI:21514381  
KEYWORDS  
SOURCE  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 51 04-JUN-2002;  
FEATURES Location/Qualifiers  
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/mol\_type="unassigned DNA"  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 185 CCTCCAGCGCAGTGTGCG 204  
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Db 20 CTTCCAGCGCAGTGTGCG 1  
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RESULT 36  
AR211139/c  
LOCUS AR211139 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 52 from patent US 6399297.  
ACCESSION AR211139  
VERSION AR211139.1 GI:21514382  
KEYWORDS  
SOURCE  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 52 04-JUN-2002;  
FEATURES Location/Qualifiers  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 348 GGAGGTGGAGAGCTGCCGG 367  
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Db 20 GGAGGTGGAGAGCTGCCGG 1  
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RESULT 37  
AR211140/c  
LOCUS AR211140 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 53 from patent US 6399297.  
ACCESSION AR211140  
VERSION AR211140.1 GI:21514384  
KEYWORDS  
SOURCE  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 53 04-JUN-2002;  
FEATURES Location/Qualifiers  
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/mol\_type="unassigned DNA"  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Unclassified.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 53 04-JUN-2002;  
FEATURES Location/Qualifiers  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 422 GCTGCCACGAGCGCGCTGC 441  
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Db 20 GCTGCCACGAGCGCGCTGC 1  
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RESULT 38  
AR211141/c  
LOCUS AR211141 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 54 from patent US 6399297.  
ACCESSION AR211141  
VERSION AR211141.1 GI:21514385  
KEYWORDS  
SOURCE  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 54 04-JUN-2002;  
FEATURES Location/Qualifiers  
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/mol\_type="unassigned DNA"  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 576 CGTGAGCGCGCACCCAGG 595  
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Db 20 CGTGAGCGCGCACCCAGG 1  
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RESULT 39  
AR211142/c  
LOCUS AR211142 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 55 from patent US 6399297.  
ACCESSION AR211142  
VERSION AR211142.1 GI:21514386  
KEYWORDS  
SOURCE  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 55 04-JUN-2002;  
FEATURES Location/Qualifiers  
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/mol\_type="unassigned DNA"  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Local Similarity 100.0%; Pred. No. 1.5e+07; Mismatches 0; Indels 0; Gaps 0;

QY 675 GACTTGTGGCAAGTGTGAG 694  
Db 20 GACTTGTGGCAAGTGTGAG 1

RESULT 40  
AR211143/c  
LOCUS AR211143 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 56 from patent US 6399297.  
ACCESSION AR211143  
VERSION AR211143.1 GI:21514387  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 56 04-JUN-2002;  
FEATURES  
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Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 751 CAGGACGACGAGTGCAGTG 770  
Db 20 CAGGACGACGAGTGCAGTG 1

RESULT 41  
AR211144/c  
LOCUS AR211144 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 57 from patent US 6399297.  
ACCESSION AR211144  
VERSION AR211144.1 GI:21514389  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 57 04-JUN-2002;  
FEATURES  
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/mol\_type="unassigned DNA"

ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 848 GGTCAGAGCTCCTGCAGAG 867  
Db 20 GGTCAGAGCTCCTGCAGAG 1

RESULT 42  
AR211145/c  
LOCUS AR211145 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 58 from patent US 6399297.  
ACCESSION AR211145

VERSION AR211145.1 GI:21514390  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 58 04-JUN-2002;  
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ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 962 GCAGCGCGCAGCACCGGCTG 981  
Db 20 GCAGCGCGCAGCACCGGCTG 1

RESULT 43  
AR211146/c  
LOCUS AR211146 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 59 from patent US 6399297.  
ACCESSION AR211146  
VERSION AR211146.1 GI:21514391  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 59 04-JUN-2002;  
FEATURES  
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ORIGIN  
Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1240 CTGAACGCGCAGCGCACCGG 1259  
Db 20 CTGAACGCGCAGCGCACCGG 1

RESULT 44  
AR211147/c  
LOCUS AR211147 20 bp DNA linear PAT 20-JUN-2002  
DEFINITION Sequence 60 from patent US 6399297.  
ACCESSION AR211147  
VERSION AR211147.1 GI:21514393  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)  
JOURNAL Patent: US 6399297-A 60 04-JUN-2002;  
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ORIGIN
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Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1387 GAGCCTTCAGGCCGCAAGT 1406
      |||
Db 20 GAGCCTTCAGGCCGCAAGT 1

RESULT 45
AR211148/c
LOCUS AR211148 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 61 from patent US 6399297.
ACCESSION AR211148
VERSION AR211148.1 GI:21514394
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 61 04-JUN-2002;
FEATURES Location/Qualifiers
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ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1533 GGCCATTGTGGACTGACAG 1552
      |||
Db 20 GGCCATTGTGGACTGACAG 1

RESULT 46
AR211149/c
LOCUS AR211149 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 62 from patent US 6399297.
ACCESSION AR211149
VERSION AR211149.1 GI:21514395
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 62 04-JUN-2002;
FEATURES Location/Qualifiers
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ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1590 GGCAGCCAGCAGCGCGGC 1609
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Db 20 GGCAGCCAGCAGCGCGGC 1

RESULT 47
/moi_type="unassigned DNA"

ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1387 GAGCCTTCAGGCCGCAAGT 1406
      |||
Db 20 GAGCCTTCAGGCCGCAAGT 1

RESULT 48
AR211151/c
LOCUS AR211151 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 64 from patent US 6399297.
ACCESSION AR211151
VERSION AR211151.1 GI:21514398
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
JOURNAL Patent: US 6399297-A 64 04-JUN-2002;
FEATURES Location/Qualifiers
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ORIGIN
Query Match          0.9%; Score 20; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.5e+07;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1685 GGTGTGCGCCCTGCAGCCAAG 1704
      |||
Db 20 GGTGTGCGCCCTGCAGCCAAG 1

RESULT 49
AR211152/c
LOCUS AR211152 20 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 65 from patent US 6399297.
ACCESSION AR211152
VERSION AR211152.1 GI:21514399
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 20)
AUTHORS Baker,B.F., Cowser,L.M., Monia,B.P. and Xu,X.S.
TITLE Antisense modulation of expression of tumor necrosis factor
receptor-associated factors (TRAFs)
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JOURNAL Patent: US 639297-A 65 04-JUN-2002;  
FEATURES Location/Qualifiers  
source 1..20  
/organism="unknown"  
/mol\_type="unassigned DNA"

## ORIGIN

Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1916 CCATGTAGCAGGACACAGT 1335  
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## RESULT 50

AR211153/c AR211153 20 bp DNA linear PAT 20-JUN-2002  
LOCUS  
DEFINITION Sequence 66 from patent US 639297.  
ACCESSION AR211153  
VERSION AR211153.1 GI:21514400  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 20)  
AUTHORS Baker, B.F., Cowsett, L.M., Monia, B.P. and Xu, X.S.  
TITLE Antisense modulation of expression of tumor necrosis factor  
receptor-associated factors (TRAFs)  
JOURNAL Patent: US 639297-A 66 04-JUN-2002;  
FEATURES Location/Qualifiers  
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/organism="unknown"  
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## ORIGIN

Query Match 0.9%; Score 20; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.5e+07;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1994 GGCTCTCTGCTGGCCAGC 2013  
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Db 20 GGCTCTCTGCTGGCCAGC 1

Search completed: November 20, 2004, 07:20:24  
Job time : 9563 secs